

**Flood Control Project Maintenance
Levee Inspections**

Fall 2013 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

RD0150 Reclamation District No. 0150 Merrit Island	Overall LMA Rating	Total LMA Miles	* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.					
	M *	18.07						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.02		0.02	0.11%	0.91	0.42		
Trim / Thin Trees	0.05		0.05	0.28%				
Encroachments	0.16		0.16	0.89%	0.41	0.01		
Animal Control	0.04		0.04	0.22%				
Slope Stability	0.07		0.07	0.39%			0.01	
Erosion / Bank Caving	0.08	0.01	0.12	0.66%				
Crown Surface / Depressions / Rutting	0.04		0.04	0.22%				
<i>Supplemental</i>								
USACE Erosion Survey	0.01		0.01	0.06%			9.40	
DWR UCIP Field Study					0.25	0.05		
<i>Unit Totals:</i>	0.47	0.01	0.51	2.82% *	1.57	0.48	9.41	0.00
Unit No. 01 Sutter Slough LB RD0150	Overall Unit Rating	Total Unit Miles						
	A	0.54						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
No Items								
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%				
Unit No. 02 Sacramento River RB RD0150	Overall Unit Rating	Total Unit Miles						
	A	7.95						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.01		0.01	0.13%	0.39	0.42		
Trim / Thin Trees	0.01		0.01	0.13%				
Encroachments	0.04		0.04	0.50%	0.08			
Slope Stability	0.03		0.03	0.38%				
Erosion / Bank Caving	0.01		0.01	0.13%				
<i>Supplemental</i>								
USACE Erosion Survey	0.01		0.01	0.13%				
DWR UCIP Field Study					0.12	0.01		
<i>Unit Totals:</i>	0.11	0.00	0.11	1.38%	0.59	0.43	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**

Fall 2013 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin (cont.)

Unit No. 03 Elk Slough LB RD0150	Overall Unit Rating	Total Unit Miles	* Overall Unit Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall Unit Rating is M instead of A.					
	M *	9.58						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.01		0.01	0.10%	0.52			
Trim / Thin Trees	0.04		0.04	0.42%				
Encroachments	0.12		0.12	1.25%	0.33	0.01		
Animal Control	0.04		0.04	0.42%				
Slope Stability	0.04		0.04	0.42%			0.01	
Erosion / Bank Caving	0.07	0.01	0.11	1.15%				
Crown Surface / Depressions / Rutting	0.04		0.04	0.42%				
<i>Supplemental</i>								
USACE Erosion Survey							9.40	
DWR UCIP Field Study					0.13	0.04		
<i>Unit Totals:</i>	0.36	0.01	0.40	4.18% *	0.98	0.05	9.41	0.00

**Flood Control Project Maintenance
Levee Inspections**

LMA District Cover Sheet

Fall 2013 Levee Inspection Results

Reclamation District No. 0150 Merrit Island

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			M	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*

SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an induction of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2013 Levee Inspection Results

Reclamation District No. 0150 Merrit Island

Waterway			Bank	Unit Miles
Unit No. 01 Sutter Slough			Left	0.54
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	03/14/2013 - 03/14/2013		10/30/2013 - 10/30/2013	
DWR Inspector	Pavel Kazi		Pavel Kazi	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Slough								Left	0.54	10/30/2013 10/30/2013	Pavel Kazi
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	
	Start	End						Start	End		
1	0.00	0.00	Earthen Levee	Operations & Maintenance Manuals	WS Ma	A	Inspector Comments: This LMA has the updated O&M manuals for their district.	°	°	4	
								DWR ID: DWR_RD0150_01_s_2013_4			
2	0.00	0.00	Earthen Levee	Emergency Supplies & Equipment	WS Ma	A	Inspector Comments: This LMA has adequate amount of flood fighting materials in a centralized location.	°	°	5	
								DWR ID: DWR_RD0150_01_s_2013_5			
3	0.00	0.00	Earthen Levee	Flood Preparedness & Training	WS Ma	A	Inspector Comments: The crew of this LMA had flood fighting training from DWR.	°	°	6	
								DWR ID: DWR_RD0150_01_s_2013_6			
4	0.20	0.20	Earthen Levee	Vegetation	LS Ma	A/W	V4 : Elderberries are blocking visibility and flood fight capability.	38.331402 ° -121.580358 °	38.331402 ° -121.580358 °	3	
								DWR ID: DWR_RD0150_01_s_2012_3			
5	0.20	0.20	Earthen Levee	Vegetation	LS Ma	A	V1 : Control annual grass and weeds on the levee slopes and easements.	38.331354 ° -121.580284 °	38.331354 ° -121.580284 °	8	
								DWR ID: DWR_RD0150_01_f_2013_8			
6	0.20	0.20	Earthen Levee	Vegetation	WS Ma	A	V1 : Control annual grass and weeds on the levee slopes and easements.	38.331354 ° -121.580284 °	38.331354 ° -121.580284 °	9	
								DWR ID: DWR_RD0150_01_f_2013_9			

* Location
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable	N : Not Inspected/Rated
M : Minimally Acceptable	C : Corrected
U : Unacceptable	A/W : Acceptable but Monitor & Maintain

- + Issue Type
 - Ma : Maintenance Deficiency
 - Ob : Design & System Obsolescence
 - En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Slough	Left	0.54	10/30/2013 10/30/2013	Pavel Kazi

Levee Mile Report Line	4
Start Levee Mile	0.20
End Levee Mile	0.20
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Elderberry bush was found on the landside of the levee. The picture was taken from the crown looking downstream.	
pkazi_f_20131001_569.jpg	



05/27/2011

Levee Mile Report Line	5
Start Levee Mile	0.20
End Levee Mile	0.20
Location	Land Side
Category	Earthen Levee
Item	Vegetation
View of the landside slope of the levee looking downstream.	
pkazi_f_20131104_030.JPG	



Levee Mile Report Line	6
Start Levee Mile	0.20
End Levee Mile	0.20
Location	Water Side
Category	Earthen Levee
Item	Vegetation
View of the waterside slope of the levee looking downstream.	
pkazi_f_20131104_031.JPG	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2013 Levee Inspection Results

Reclamation District No. 0150 Merrit Island

Waterway			Bank	Unit Miles
Unit No. 02 Sacramento River			Right	7.95
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	03/14/2013 - 03/14/2013		10/31/2013 - 10/31/2013	
DWR Inspector	Pavel Kazi		Pavel Kazi	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
LMR No.	Levee Mile		Category	Item	* Location + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Start End Photo	
	Start	End					Start	End		
1	0.14	4.85	Earthen Levee	Vegetation	WSA/W	V8 : Environmental Requirements. En	38.329782 °	38.374641 °	5 -121.574769 ° -121.524730 ° DWR ID: DWR_RD0150_02_s_2012_5	
2	0.16	0.16	Earthen Levee	Encroachments	WS M	BU : Building En	38.330047 °	38.330047 °	49 -121.574538 ° -121.574538 ° Y DWR ID: DWR_RD0150_02_s_2012_49	
3	0.17	0.21	Earthen Levee	Vegetation	LS M	V6 : Landscaping En	38.330173 °	38.330576 °	990 -121.574490 ° -121.574093 ° Y DWR ID: DWR_RD0150_02_s_2012_990	
4	0.23	0.23	Supplemental DWR UCIP Field Study		LS M En	Inspector Comments: FS_ID:18570 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - Dense vegetation on waterside. FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, 2.8 feet below the crown. Pump on landside. Concrete box on landside. O&M Manual SAC 112, March 1957. FS Date: 8/27/2013	38.330888 °	38.330888 °	51 -121.573769 ° -121.573769 ° Y DWR ID: DWR_RD0150_02_f_2013_51	
5	0.23	0.23	Supplemental DWR UCIP Field Study		LS M En	Inspector Comments: FS_ID:18564 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - Concrete box on landside.. Dense vegetation on waterside. FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, 2.8 feet below the crown. Pump on landside. O&M Manual SAC 112, March 1957. FS Date: 8/27/2013	38.330888 °	38.330888 °	52 -121.573769 ° -121.573769 ° DWR ID: DWR_RD0150_02_f_2013_52	
6	0.24	0.24	Supplemental DWR UCIP Field Study		LS M En	Inspector Comments: FS_ID:18526 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - Concrete box on landside.. Dense vegetation on waterside. FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, 2.8 feet below the crown. Pump on landside. O&M Manual SAC 112, March 1957. FS Date: 8/27/2013	38.330874 °	38.330874 °	53 -121.573782 ° -121.573782 ° DWR ID: DWR_RD0150_02_f_2013_53	

* Location LS : Land Side WS : Water Side CR : Crown

** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain
---	---

+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
LMR No.	Levee Mile		Category	Item	* Location	* Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	
	Start	End			*	+		Start	End		
7	0.24	0.24	Supplemental DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:18524 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - Concrete box on landside.- Dense vegetation on waterside. FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, 2.8 feet below the crown. Pump on landside. O&M Manual SAC 112, March 1957. FS Date: 8/27/2013			38.330874 °	38.330874 °	54	
								-121.573782 °	-121.573782 °		
8	0.25	0.25	Earthen Levee	Vegetation	LS U En	V6 : Landscaping		38.331035 °	38.331035 °	4	
								-121.573502 °	-121.573502 °	Y	
								DWR ID: DWR_RD0150_02_s_2012_4			
9	0.27	0.27	Earthen Levee	Encroachments	LS C Ma	TR : Tree or limb		38.331410 °	38.331410 °	94	
								-121.573331 °	-121.573331 °		
								DWR ID: DWR_RD0150_02_s_2012_94			
10	0.34	0.34	Earthen Levee	Encroachments	LS M En	FE : Fence		38.332156 °	38.332156 °	9	
								-121.572580 °	-121.572580 °	Y	
								DWR ID: DWR_RD0150_02_s_2012_9			
11	0.39	0.39	Supplemental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:18571 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - Water leaks from pressure breaker. FIELD_STRUCT_DESC: 4-inch steel pipe in 6-inch steel pipe sleeve in 10-inch steel pipe through the levee, 5.8 feet below the crown. 1.5-inch conduit through the levee, 3 feet bellow the crown. Pump and gate valve on the waterward slope. Distribution box at the landward toe. (Runyon). FS Date: 8/27/2013				38.332670 °	38.332670 °	55
								-121.572132 °	-121.572132 °	Y	
								DWR ID: DWR_RD0150_02_f_2013_55			
12	0.39	0.39	Supplemental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:18566 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - Water leaks from pressure breaker. FIELD_STRUCT_DESC: 4-inch steel pipe in 6-inch steel pipe sleeve in 10-inch steel pipe through the levee, 5.8 feet below the crown. 1.5-inch conduit through the levee, 3 feet bellow the crown. Pump and gate valve on the waterward slope. Distribution box at the landward toe. (Runyon). FS Date: 8/27/2013				38.332670 °	38.332670 °	57
								-121.572132 °	-121.572132 °		
								DWR ID: DWR_RD0150_02_f_2013_57			
13	0.39	0.39	Earthen Levee	Encroachments	WS M En	ST : Stairway		38.332647 °	38.332647 °	13	
								-121.572140 °	-121.572140 °	Y	
								DWR ID: DWR_RD0150_02_s_2012_13			

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
LMR No.	Levee Mile		Category	Item	* Location Start	* Rating +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
14	0.39	0.39	Supplemental DWR UCIP Field Study	WS M	En		Inspector Comments: FS_ID:18529 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - Water leaking from pressure breaker. FIELD_STRUCT_DESC: 4-inch steel pipe in 6-inch steel pipe sleeve in 10-inch steel pipe through the levee, 5.8 feet below the crown. 1.5-inch conduit through the levee, 3 feet bellow the crown. Pump and gate valve on the waterward slope. Distribution box at the landward toe. (Runyon). FS Date: 8/27/2013	38.332663 °	38.332663 °	59
								-121.572139 °	-121.572139 °	
15	0.40	0.40	Earthen Levee	Slope Stability	WS M	Ma	S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.	38.332717 °	38.332717 °	6
								-121.572083 °	-121.572083 °	Y
										DWR ID: DWR_RD0150_02_s_2012_6
16	0.47	0.47	Supplemental DWR UCIP Field Study	WS M	En		Inspector Comments: FS_ID:18568 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - Abandoned pipe and pump. FIELD_STRUCT_DESC: 6-inch steel pipe and 1-inch conduit through the levee, 3.5 feet below crown, pump and gate valve on the waterward slope. Electric box on waterside slope. O&M Manual SAC 112, March 1957. FS Date: 8/27/2013	38.333525 °	38.333525 °	61
								-121.571280 °	-121.571280 °	
										DWR ID: DWR_RD0150_02_f_2013_61
17	0.48	0.48	Supplemental DWR UCIP Field Study	WS M	En		Inspector Comments: FS_ID:18573 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Proper abandoned pipe. FIELD_STRUCT_DESC: 8-inch steel pipe through the levee, 5.7 feet below the crown. Power line on landside.(Mrs. J. Olson) O&M Manual SAC 112, March 1957. FS Date: 8/27/2013	38.333754 °	38.333754 °	62
								-121.571018 °	-121.571018 °	Y
										DWR ID: DWR_RD0150_02_f_2013_62
18	0.70	0.70	Earthen Levee	Encroachments	WS M	Ma	DE : Debris	38.336228 °	38.336228 °	10
								-121.568332 °	-121.568332 °	Y
										DWR ID: DWR_RD0150_02_s_2013_10

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
L/MR No.	Levee Mile		Category	Item	* Location	* Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	
	Start	End						Start	End		
19	0.70	0.70	Supplemental	DWR UCIP Field Study	WS M En		Inspector Comments: FS_ID:18583 EP_NO: 16109 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 10 inch steel pipe, 6.2 feet below the crown, slant pump on steel platform on the waterward slope. (App. No. 16109-Wilson, 1993) 4-inch abandoned pipe through the levee, 3.1 feet below the crown, open on the waterward end. (App. No. 16842-Wilson, 1998). Concrete stand pipe and power pole at landside toe. FS Date: 8/27/2013	38.336183 °	38.336183 °	63	
								-121.568383 °	-121.568383 °	Y	
20	0.70	0.70	Supplemental	DWR UCIP Field Study	WS M En		Inspector Comments: FS_ID:18579 EP_NO: 16109 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 10 inch steel pipe, 6.2 feet below the crown, slant pump on steel platform on the waterward slope. (App. No. 16109-Wilson, 1993) 4-inch abandoned pipe through the levee, 3.1 feet below the crown, open on the waterward end. (App. No. 16842-Wilson, 1998). Concrete stand pipe at landside toe. FS Date: 8/27/2013	38.336183 °	38.336183 °	66	
								-121.568383 °	-121.568383 °		
21	0.98	0.98	Earthen Levee	Trim / Thin Trees	LS M Ma		T2 : Thin trees to allow visibility of the ground and room to flood fight.	38.339035 °	38.339035 °	12	
								-121.565145 °	-121.565145 °	Y	
										DWR ID: DWR_RD0150_02_s_2012_12	
22	1.00	1.00	Earthen Levee	Encroachments	WS M Ma		TR : Tree or limb Inspector Comments: Tree trunk was found on the waterside toe of the levee.	38.339268 °	38.339268 °	18	
								-121.564839 °	-121.564839 °	Y	
										DWR ID: DWR_RD0150_02_s_2013_18	
23	1.16	1.16	Earthen Levee	Trim / Thin Trees	LS N Ma		T5 : Tree stumps.	38.340864 °	38.340864 °	8	
								-121.562915 °	-121.562915 °	Y	
										DWR ID: DWR_RD0150_02_s_2012_8	
24	1.28	1.28	Earthen Levee	Vegetation	LS M En		V6 : Landscaping	38.342229 °	38.342229 °	92	
								-121.561694 °	-121.561694 °		
										DWR ID: DWR_RD0150_02_s_2012_92	
25	1.34	1.37	Earthen Levee	Vegetation	LS M En		V6 : Landscaping	38.342969 °	38.343252 °	91	
								-121.561196 °	-121.560794 °	Y	
										DWR ID: DWR_RD0150_02_s_2012_91	
26	1.58	1.58	Earthen Levee	Encroachments	WS C Ma		PI : Pipe Inspector Comments: Abandoned CMP was found on the waterside slope of the levee.	38.344833 °	38.344833 °	19	
								-121.557575 °	-121.557575 °		
										DWR ID: DWR_RD0150_02_s_2013_19	

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector		
LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment			GPS Latitude/Longitude	Issue No.	
	Start	End					Start	End	Photo			
27	2.14	2.14	Supplemental DWR UCIP Field Study		LS En	M	Inspector Comments: FS_ID:18792 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - Operating during inspection. Leaky join at the concrete box.- Powerline overhead crossing the levee. Power pole at waerside shoulder, and landside toe. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 5.0 feet below the crown slant pump on the waterward slope. Power pole on the waterward shoulder. 9-inch pipe through the levee 5.0 feet below the crown plugged with concrete by the district. (Wilcox) O&M Manual SAC 112, March 1957. FS Date: 8/27/2013	38.347032 °	38.347032 °	67	-121.547159 °	-121.547159 ° Y
28	2.31	2.33	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping	38.347355 °	38.347361 °	88	-121.544628 °	-121.544280 ° Y
											DWR ID: DWR_RD0150_02_s_2012_88	
29	2.75	2.75	Earthen Levee	Encroachments	LS En	M	TA : Tank Inspector Comments: Tank was found with the 10 feet of toe landside easement.	38.349542 °	38.349542 °	23	-121.537451 °	-121.537451 ° Y
											DWR ID: DWR_RD0150_02_s_2012_23	
30	2.80	2.80	Earthen Levee	Trim / Thin Trees	LS Ma	N	T5 : Tree stumps.	38.350041 °	38.350041 °	14	-121.536853 °	-121.536853 ° Y
											DWR ID: DWR_RD0150_02_s_2012_14	
31	2.84	2.84	Supplemental DWR UCIP Field Study		LS En	U	Inspector Comments: FS_ID:18795 EP_NO: 7384 Repair Type: Urgent Crossing Status: Found UCIP Comments: - Depression on landside slope.- New replacement pipe on both sides. FIELD_STRUCT_DESC: 12-inch steel pipe with slide gate, and 2-inch conduit, 4.5 feet below the levee crown; slant pump on waterside. Power pole at the landward toe. (App. No. 7384 - Greene & Hemly Inc.) FS Date: 8/27/2013	38.350940 °	38.350940 °	68	-121.535677 °	-121.535677 °
											DWR ID: DWR_RD0150_02_f_2013_68	
32	3.02	3.06	Earthen Levee	Vegetation	LS En	U	V6 : Landscaping	38.352372 °	38.352802 °	85	-121.534127 °	-121.533638 ° Y
											DWR ID: DWR_RD0150_02_s_2012_85	
33	3.29	3.29	Earthen Levee	Erosion / Bank Caving	WS Ma	M	E2 : Schedule repair of erosion site prior to the next inspection. Inspector Comments: Depressions into the waterward slope can be seen along the waterward slope at this site. Also note the damaged pump support, pump, and pipe just upstream of the site; they may contribute to the erosion in a high water event and should be removed.	38.355321 °	38.355321 °	961	-121.530902 °	-121.530902 ° Y
											DWR ID: DWR_RD0150_02_s_2012_961	

* Location LS : Land Side WS : Water Side CR : Crown

** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain
---	---

+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector	
MR No	Levee Mile		Category	Item	* Location	* Rating	Action/Comment			GPS Latitude/Longitude	Issue No.
	Start	End								Start	End
34	3.35	3.35	Earthen Levee	Vegetation	LS A/W	V4 : Elderberries are blocking visibility and flood fight Ma capability.				38.355979 ° -121.530288 °	17
										DWR ID: DWR_RD0150_02_s_2012_17	
35	3.56	3.56	Earthen Levee	Encroachments	CR A/W	PI : Pipe En	Inspector Comments: PVC pipe is sleeving through an old steel pipe. The steel pipe appears to be fine for now, but we should keep an eye on it.			38.358152 ° -121.527579 °	15
										-121.527579 °	Y
										DWR ID: DWR_RD0150_02_s_2012_15	
36	3.60	3.73	Earthen Levee	Vegetation	LS U	V6 : Landscaping En				38.358565 ° -121.527153 °	82
										-121.525345 °	Y
										DWR ID: DWR_RD0150_02_s_2012_82	
37	3.85	3.85	Earthen Levee	Encroachments	WS C	DE : Debris Ma				38.360854 ° -121.523641 °	35
										-121.523641 °	Y
										DWR ID: DWR_RD0150_02_s_2013_35	
38	3.90	3.93	Earthen Levee	Vegetation	LS M	V6 : Landscaping En				38.361419 ° -121.523225 °	80
										-121.522974 °	Y
										DWR ID: DWR_RD0150_02_s_2012_80	
39	3.94	3.94	Earthen Levee	Encroachments	WS M	ST : Stairway En				38.361970 ° -121.522777 °	33
										-121.522777 °	Y
										DWR ID: DWR_RD0150_02_s_2012_33	
40	4.15	4.16	Earthen Levee	Encroachments	LS M	BU : Building En	Inspector Comments: 3' retaining wall at the landward shoulder.			38.364854 ° -121.522378 °	20
										-121.522365 °	Y
										DWR ID: DWR_RD0150_02_s_2012_20	
41	4.17	4.17	Earthen Levee	Vegetation	LS M	V6 : Landscaping En				38.365162 ° -121.522365 °	953
										-121.522365 °	Y
										DWR ID: DWR_RD0150_02_s_2012_953	
42	4.33	4.35	Earthen Levee	Vegetation	LS U	V6 : Landscaping En				38.367442 ° -121.522427 °	24
										-121.522495 °	Y
										DWR ID: DWR_RD0150_02_s_2012_24	
43	4.37	4.41	Earthen Levee	Vegetation	LS U	V6 : Landscaping En				38.368036 ° -121.522611 °	79
										-121.522729 °	Y
										DWR ID: DWR_RD0150_02_s_2012_79	
44	4.50	4.50	Supplemental USACE Erosion Survey	WS M	Ma	Inspector Comments: 1999 - Downstream end (300 ft) repaired with rock. 2010 - Toe erosion, some vertical slopes lower down. 2011 - Failing rock repair. Slumping of the lower bank. Minor new erosion. 2012: No observed change. [2012 Site ID: SAC_38-5_R]				38.371909 ° -121.523316 °	1
										-121.523069 °	Y
										DWR ID:	
45	4.76	4.76	Earthen Levee	Vegetation	WS M	V2 : Remove the wild growth other than native grasses Ma	from the levee slopes.			38.373485 ° -121.523963 °	28
										-121.523963 °	Y
										DWR ID: DWR_RD0150_02_s_2012_28	
46	4.78	4.79	Earthen Levee	Vegetation	LS U	V6 : Landscaping En				38.373688 ° -121.524280 °	76
										-121.524403 °	Y
										DWR ID: DWR_RD0150_02_s_2012_76	

* Location LS : Land Side WS : Water Side CR : Crown

** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
MR No	Levee Mile		Category	Item	* Location	* Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	
	Start	End						Start	End		
47	4.93	4.93	Earthen Levee	Encroachments	WS Ma	M	PI : Pipe Inspector Comments: The pipe cover is not a water tight connection. During high water, water may leak through the pipe and get into the landside.	38.375731 ° -121.525245 °	38.375731 ° -121.525245 °	69 Y	
										DWR ID: DWR_RD0150_02_f_2013_69	
48	4.98	4.98	Earthen Levee	Trim / Thin Trees	LS Ma	N	T5 : Tree stumps.	38.376392 ° -121.525429 °	38.376392 ° -121.525429 °	39 Y	
										DWR ID: DWR_RD0150_02_s_2012_39	
49	5.14	5.17	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping	38.378715 ° -121.525458 °	38.379052 ° -121.525341 °	30 Y	
										DWR ID: DWR_RD0150_02_s_2012_30	
50	5.14	7.95	Earthen Levee	Vegetation	WSA/W Ma	V8	: Environmental Requirements.	38.378674 ° -121.525423 °	38.414029 ° -121.522991 °	40 Y	
										DWR ID: DWR_RD0150_02_s_2012_40	
51	5.17	5.22	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping	38.379054 ° -121.525341 °	38.379769 ° -121.525024 °	75 Y	
										DWR ID: DWR_RD0150_02_s_2012_75	
52	5.33	5.33	Earthen Levee	Slope Stability	WS Ma	M	S1 : Repair slope instability. Inspector Comments: Cavity located under rock rip rap on waterward slope at the shoulder over an irrigation pipe.	38.381126 ° -121.524208 °	38.381126 ° -121.524208 °	976 Y	
										DWR ID: DWR_RD0150_02_s_2012_976	
53	5.33	5.33	Earthen Levee	Slope Stability	LS Ma	M	S1 : Repair slope instability. Inspector Comments: Depression in the landward slope at the shoulder over an irrigation pipe.	38.381126 ° -121.524207 °	38.381126 ° -121.524207 °	975 Y	
										DWR ID: DWR_RD0150_02_s_2013_975	
54	5.47	5.49	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping	38.382675 ° -121.522367 °	38.382793 ° -121.522164 °	74 Y	
										DWR ID: DWR_RD0150_02_s_2012_74	
55	6.18	6.18	Earthen Levee	Vegetation	LS Ma	C	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.390386 ° -121.515078 °	38.390386 ° -121.515078 °	26 Y	
										DWR ID: DWR_RD0150_02_s_2012_26	
56	6.41	6.41	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping Inspector Comments: Century plant on the landward slope.	38.393655 ° -121.514654 °	38.393655 ° -121.514654 °	27 Y	
										DWR ID: DWR_RD0150_02_s_2012_27	
57	6.42	6.42	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping	38.393850 ° -121.514629 °	38.393850 ° -121.514629 °	29 Y	
										DWR ID: DWR_RD0150_02_s_2012_29	
58	6.46	6.46	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping	38.394416 ° -121.514590 °	38.394416 ° -121.514590 °	31 Y	
										DWR ID: DWR_RD0150_02_s_2012_31	
59	6.50	6.57	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping	38.394935 ° -121.514597 °	38.395931 ° -121.514604 °	65 Y	
										DWR ID: DWR_RD0150_02_s_2012_65	
60	6.53	6.53	Earthen Levee	Vegetation	WS En	M	V6 : Landscaping	38.395340 ° -121.514528 °	38.395340 ° -121.514528 °	34 Y	
										DWR ID: DWR_RD0150_02_s_2012_34	

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River							Right	7.95	10/31/2013 10/31/2013	Pavel Kazi

L/MR No	Levee Mile		Category	Item	* Location	* Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
61	6.59	6.59	Earthen Levee	Encroachments	WS En	M	ST : Stairway	38.396235 °	38.396235 °	42
								-121.514547 °	-121.514547 °	Y
								DWR ID: DWR_RD0150_02_s_2012_42		
62	6.60	6.60	Earthen Levee	Encroachments	WS Ma	M	DE : Debris	38.396374 °	38.396374 °	2
								-121.514534 °	-121.514534 °	Y
								DWR ID: DWR_RD0150_02_f_2012_2		
63	6.67	6.72	Earthen Levee	Vegetation	LS En	U	V6 : Landscaping	38.397411 °	38.398033 °	64
								-121.514681 °	-121.514753 °	Y
								DWR ID: DWR_RD0150_02_s_2012_64		
64	6.75	6.75	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping	38.398456 °	38.398456 °	43
								Inspector Comments: Century plant on landside of the levee.	-121.514735 °	-121.514735 °
									DWR ID: DWR_RD0150_02_s_2012_43	
65	6.83	6.83	Earthen Levee	Encroachments	WS En	M	ST : Stairway	38.399623 °	38.399623 °	38
								-121.514877 °	-121.514877 °	Y
								DWR ID: DWR_RD0150_02_s_2013_38		
66	6.93	7.05	Earthen Levee	Vegetation	LS En	U	V6 : Landscaping	38.400936 °	38.402613 °	60
								-121.515173 °	-121.515863 °	Y
								DWR ID: DWR_RD0150_02_s_2012_60		
67	7.12	7.12	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping	38.403631 °	38.403631 °	58
								-121.516299 °	-121.516299 °	Y
								DWR ID: DWR_RD0150_02_s_2012_58		
68	7.28	7.28	Earthen Levee	Slope Stability	WS Ma	C	S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.	38.405774 °	38.405774 °	968
								-121.517283 °	-121.517283 °	
								DWR ID: DWR_RD0150_02_s_2012_968		
69	7.34	7.34	Earthen Levee	Vegetation	LS Ma	A/W	V4 : Elderberries are blocking visibility and flood fight capability.	38.406454 °	38.406454 °	32
								-121.517732 °	-121.517732 °	
								DWR ID: DWR_RD0150_02_s_2012_32		
70	7.36	7.41	Earthen Levee	Trim / Thin Trees	LS Ma	C	T1 : Trim trees to at least five feet above ground level.	38.406817 °	38.407430 °	48
								-121.517687 °	-121.518047 °	
								DWR ID: DWR_RD0150_02_s_2012_48		
71	7.91	7.91	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping	38.413563 °	38.413563 °	41
								-121.522593 °	-121.522593 °	
								DWR ID: DWR_RD0150_02_s_2013_41		
72	7.92	7.92	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping	38.413705 °	38.413705 °	56
								-121.522806 °	-121.522806 °	Y
								DWR ID: DWR_RD0150_02_s_2012_56		

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	10/31/2013 10/31/2013	Pavel Kazi

Levee Mile Report Line	2
Start Levee Mile	0.16
End Levee Mile	0.16
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Building located on waterside of levee at LM 0.16	
pkazi_f_20131001_601.JPG	



Levee Mile Report Line	3
Start Levee Mile	0.17
End Levee Mile	0.21
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscaping was found on the landside of the levee looking upstream.	
pkazi_f_20131001_628.jpg	



Levee Mile Report Line	4
Start Levee Mile	0.23
End Levee Mile	0.23
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
LS view: abandoned pipe and pump on landside toe.	
UCIP_12197.jpg	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	10/31/2013 10/31/2013	Pavel Kazi

Levee Mile Report Line	8
Start Levee Mile	0.25
End Levee Mile	0.25
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscaping on landward slope at LM 0.25 blocking view of levee slope.	
pkazi_f_20131001_571.jpg	



Levee Mile Report Line	10
Start Levee Mile	0.34
End Levee Mile	0.34
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Fence was found on the landside of the levee looking upstream.	
pkazi_f_20131001_576.jpg	



Levee Mile Report Line	11
Start Levee Mile	0.39
End Levee Mile	0.39
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
WS view: walkway/stairs, pump on levee slope.	
UCIP_12201.jpg	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

N : Not Inspected/Rated
C : Corrected

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	10/31/2013 10/31/2013	Pavel Kazi

Levee Mile Report Line	13
Start Levee Mile	0.39
End Levee Mile	0.39
Location	Water Side
Category	Earthen Levee
Item	Encroachments
A stairway was found on the waterside of the levee. The picture was taken from the crown looking upstream.	
pkazi_f_20131001_579.jpg	



Levee Mile Report Line	15
Start Levee Mile	0.40
End Levee Mile	0.40
Location	Water Side
Category	Earthen Levee
Item	Slope Stability
Slope instability was found on the waterside of the levee looking upstream.	
pkazi_f_20131001_572.jpg	



Levee Mile Report Line	17
Start Levee Mile	0.48
End Levee Mile	0.48
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study
WS view: abandoned pump on levee slope. Dense vegetation on waterside.	
UCIP_12203.jpg	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	10/31/2013 10/31/2013	Pavel Kazi

Levee Mile Report Line	18
Start Levee Mile	0.70
End Levee Mile	0.70
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Debris was found on the waterside slope of the levee looking downstream during Spring 2013 inspection.	
pkazi_f_20131001_577.JPG	



Levee Mile Report Line	19
Start Levee Mile	0.70
End Levee Mile	0.70
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study
LS view: 10-inch pipe and air vent on levee slope. Concrete standpipe inside Water filtration plant and service pole on levee toe.	
UCIP_12204.jpg	



Levee Mile Report Line	21
Start Levee Mile	0.98
End Levee Mile	0.98
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Overgrown trees were obstructing the landside slope of the levee looking upstream.	
pkazi_f_20131001_578.JPG	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

N : Not Inspected/Rated
C : Corrected

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	10/31/2013 10/31/2013	Pavel Kazi

Levee Mile Report Line	22
Start Levee Mile	1.00
End Levee Mile	1.00
Location	Water Side
Category	Earthen Levee
Item	Encroachments
A tree trunk was found on the waterside toe of the levee looking downstream during spring 2013 inspection.	pkazi_f_20131001_583.JPG



Levee Mile Report Line	23
Start Levee Mile	1.16
End Levee Mile	1.16
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
View of a tree stump on the landward slope.	pkazi_f_20131001_575.jpg



Levee Mile Report Line	25
Start Levee Mile	1.34
End Levee Mile	1.37
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscaping was found landside of the levee looking upstream.	pkazi_f_20131001_614.jpg



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

N : Not Inspected/Rated
C : Corrected

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	10/31/2013 10/31/2013	Pavel Kazi

Levee Mile Report Line	25
Start Levee Mile	1.34
End Levee Mile	1.37
Location	Land Side
Category	Earthen Levee
Item	Vegetation
<p>Landscaping was obstructing the view of the landside slope of the levee looking downstream. This picture was taken during spring 2013 inspection.</p> <p>pkazi_f_20131001_615.JPG</p>	



Levee Mile Report Line	27
Start Levee Mile	2.14
End Levee Mile	2.14
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
<p>LS view: concrete distribution box on levee toe and exposed steel pipe on levee slope.</p> <p>UCIP_12209.jpg</p>	



Levee Mile Report Line	28
Start Levee Mile	2.31
End Levee Mile	2.33
Location	Land Side
Category	Earthen Levee
Item	Vegetation
<p>Landscaping was found on the landside of the levee. The picture was taken from the crown looking upstream.</p> <p>pkazi_f_20131001_613.JPG</p>	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	10/31/2013 10/31/2013	Pavel Kazi

Levee Mile Report Line	29
Start Levee Mile	2.75
End Levee Mile	2.75
Location	Land Side
Category	Earthen Levee
Item	Encroachments
A tank was found on the landside toe of the levee looking upstream.	
pkazi_f_20131001_586.jpg	



Levee Mile Report Line	30
Start Levee Mile	2.80
End Levee Mile	2.80
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
View of a tree stump on the landward slope.	
pkazi_f_20131001_580.jpg	



Levee Mile Report Line	32
Start Levee Mile	3.02
End Levee Mile	3.06
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscaping providing a screen for a residence on landside of levee from LM 3.02 to LM 3.06	
pkazi_f_20131001_612.JPG	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	10/31/2013 10/31/2013	Pavel Kazi

Levee Mile Report Line	33
Start Levee Mile	3.29
End Levee Mile	3.29
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
View of erosion on the waterward slope looking upstream. Depressions into the slope can be seen in several places.	
pkazi_f_20131001_619.jpg	



Levee Mile Report Line	33
Start Levee Mile	3.29
End Levee Mile	3.29
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Additional view of erosion on the waterward slope looking upstream. Note the damaged pump support, pump, and pipe just upstream of the site.	
pkazi_f_20131001_620.jpg	



Levee Mile Report Line	33
Start Levee Mile	3.29
End Levee Mile	3.29
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
View of the erosion site, and broken pump support along with a boat on the waterside of the levee. The picture was taken from the crown looking towards the toe of the levee during fall 2011 inspection.	
pkazi_f_20131001_621.jpg	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	10/31/2013 10/31/2013	Pavel Kazi

Levee Mile Report Line	33
Start Levee Mile	3.29
End Levee Mile	3.29
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
View of erosion and damaged pipe and abandoned boat on the waterside of the levee looking upstream. This picture was taken during fall 2012 inspection.	
pkazi_f_20131001_622.jpg	



Levee Mile Report Line	33
Start Levee Mile	3.29
End Levee Mile	3.29
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
View of the erosion on the waterside slope of the levee looking upstream during spring 2013 inspection.	
pkazi_f_20131001_623.JPG	



Levee Mile Report Line	33
Start Levee Mile	3.29
End Levee Mile	3.29
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
View of the erosion on the waterside slope of the levee near the pipe looking downstream. This picture was taken during the fall 2013 inspection.	
pkazi_f_20131104_032.JPG	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	10/31/2013 10/31/2013	Pavel Kazi

Levee Mile Report Line	35
Start Levee Mile	3.56
End Levee Mile	3.56
Location	Crown
Category	Earthen Levee
Item	Encroachments
A PVC pipe was used under the levee crown for irrigation purpose. The picture was taken from the crown looking downstream.	
pkazi_f_20131001_581.jpg	



Levee Mile Report Line	35
Start Levee Mile	3.56
End Levee Mile	3.56
Location	Crown
Category	Earthen Levee
Item	Encroachments
A PVC pipe was used to pump the water from waterside of the levee. It appeared that the PVC pipe was penetrating through a corroded steel casing through the levee crown. The picture was taken from the crown of the levee looking upstream during spring 2013 inspection.	
pkazi_f_20131001_582.JPG	



Levee Mile Report Line	36
Start Levee Mile	3.60
End Levee Mile	3.73
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscaping was blocking the visibility on the landside of the levee looking upstream.	
pkazi_f_20131001_611.jpg	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	10/31/2013 10/31/2013	Pavel Kazi

Levee Mile Report Line	38
Start Levee Mile	3.90
End Levee Mile	3.93
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscaping in front of a residence on landside of levee from LM 3.90 to LM 3.93. The levee in this location is greater than 100' wide.	
pkazi_f_20131001_610.JPG	



Levee Mile Report Line	39
Start Levee Mile	3.94
End Levee Mile	3.94
Location	Water Side
Category	Earthen Levee
Item	Encroachments
A stairway was found on the waterside slope of the levee.	
pkazi_f_20131001_593.jpg	



Levee Mile Report Line	40
Start Levee Mile	4.15
End Levee Mile	4.16
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of a retaining wall on the landward slope looking upstream.	
pkazi_f_20131001_585.jpg	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	10/31/2013 10/31/2013	Pavel Kazi

Levee Mile Report Line	41
Start Levee Mile	4.17
End Levee Mile	4.17
Location	Land Side
Category	Earthen Levee
Item	Vegetation
View of cacti on the landside of the levee looking from the crown.	
pkazi_f_20131001_618.jpg	



Levee Mile Report Line	42
Start Levee Mile	4.33
End Levee Mile	4.35
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscaping (Oleander) on landward slope from 4.33 to 4.35	
pkazi_f_20131001_587.jpg	



Levee Mile Report Line	43
Start Levee Mile	4.37
End Levee Mile	4.41
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Trees were obstructing the views on the landside slope of the levee looking downstream.	
pkazi_f_20131001_609.jpg	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

N : Not Inspected/Rated
C : Corrected

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	10/31/2013 10/31/2013	Pavel Kazi

Levee Mile Report Line	44
Start Levee Mile	4.50
End Levee Mile	4.50
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #1



USACE2013_SAC_38-5_R_1.jpg

Levee Mile Report Line	44
Start Levee Mile	4.50
End Levee Mile	4.50
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #2



USACE2013_SAC_38-5_R_2.jpg

Levee Mile Report Line	45
Start Levee Mile	4.76
End Levee Mile	4.76
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Century plant on waterward slope at LM 4.76



pkazi_f_20131001_590.jpg

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	10/31/2013 10/31/2013	Pavel Kazi

Levee Mile Report Line	46
Start Levee Mile	4.78
End Levee Mile	4.79
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Trees were obstructing the view of the landside slope of the levee looking upstream.	
pkazi_f_20131001_608.jpg	



Levee Mile Report Line	47
Start Levee Mile	4.93
End Levee Mile	4.93
Location	Water Side
Category	Earthen Levee
Item	Encroachments
The pipe cover doesn't appear to be water tight on the waterside slope of the levee. The picture was taken from the crown looking towards the toe of the levee during fall 2013 inspection.	
pkazi_f_20131104_033.JPG	



Levee Mile Report Line	48
Start Levee Mile	4.98
End Levee Mile	4.98
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Tree stumps were found on the landside of the levee looking from the crown.	
pkazi_f_20131001_597.jpg	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	10/31/2013 10/31/2013	Pavel Kazi

Levee Mile Report Line	49
Start Levee Mile	5.14
End Levee Mile	5.17
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscaping was found on the landside shoulder of the levee looking upstream.	
pkazi_f_20131001_591.JPG	



Levee Mile Report Line	51
Start Levee Mile	5.17
End Levee Mile	5.22
Location	Land Side
Category	Earthen Levee
Item	Vegetation
View of landscaping along the landward shoulder and slope looking downstream.	
pkazi_f_20131001_607.jpg	



Levee Mile Report Line	52
Start Levee Mile	5.33
End Levee Mile	5.33
Location	Water Side
Category	Earthen Levee
Item	Slope Stability
View of rock placed on a pipe penetration on the waterward slope. Cavities can be seen under the rocks.	
pkazi_f_20131001_627.jpg	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	10/31/2013 10/31/2013	Pavel Kazi

Levee Mile Report Line	53
Start Levee Mile	5.33
End Levee Mile	5.33
Location	Land Side
Category	Earthen Levee
Item	Slope Stability
View of a minor depression along the landward slope of the levee over a pipe penetration looking downstream.	
pkazi_f_20131001_626.jpg	



Levee Mile Report Line	53
Start Levee Mile	5.33
End Levee Mile	5.33
Location	Land Side
Category	Earthen Levee
Item	Slope Stability
View of minor slope instability on the waterside slope of the levee looking downstream during fall 2013 inspection.	
pkazi_f_20131104_034.JPG	



Levee Mile Report Line	56
Start Levee Mile	6.41
End Levee Mile	6.41
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Century plant was found on the landside of the levee looking upstream.	
pkazi_f_20131001_589.jpg	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	10/31/2013 10/31/2013	Pavel Kazi

Levee Mile Report Line	58
Start Levee Mile	6.46
End Levee Mile	6.46
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Trees need to be trimmed on the landside of the levee looking upstream.	
pkazi_f_20131001_592.jpg	



Levee Mile Report Line	59
Start Levee Mile	6.50
End Levee Mile	6.57
Location	Land Side
Category	Earthen Levee
Item	Vegetation
View of landscaping along the waterward shoulder and slope looking downstream.	
pkazi_f_20131001_606.jpg	



Levee Mile Report Line	60
Start Levee Mile	6.53
End Levee Mile	6.53
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Landscaping was found on the waterside of the levee looking upstream.	
pkazi_f_20131001_594.jpg	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	10/31/2013 10/31/2013	Pavel Kazi

Levee Mile Report Line	61
Start Levee Mile	6.59
End Levee Mile	6.59
Location	Water Side
Category	Earthen Levee
Item	Encroachments
A stairway was found on the waterside slope of the levee looking upstream.	
<i>pkazi_f_20131001_598.jpg</i>	



Levee Mile Report Line	62
Start Levee Mile	6.60
End Levee Mile	6.60
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Debris was found on the waterside slope of the levee looking upstream.	
<i>pkazi_f_20131001_570.jpg</i>	



Levee Mile Report Line	63
Start Levee Mile	6.67
End Levee Mile	6.72
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscaping providing a screen for a residence on landside of levee from LM 6.68 to LM 6.72	
<i>pkazi_f_20131001_605.JPG</i>	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	10/31/2013 10/31/2013	Pavel Kazi

Levee Mile Report Line	64
Start Levee Mile	6.75
End Levee Mile	6.75
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Century plants were found on the landside of the levee looking upstream.	
pkazi_f_20131001_599.jpg	



Levee Mile Report Line	65
Start Levee Mile	6.83
End Levee Mile	6.83
Location	Water Side
Category	Earthen Levee
Item	Encroachments
A stair was found on the waterside slope of the levee looking upstream during spring 2013 inspection.	
pkazi_f_20131001_596.JPG	



Levee Mile Report Line	66
Start Levee Mile	6.93
End Levee Mile	7.05
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscaping providing a screen for a residence on the landside of levee from LM 6.93 to LM 7.05	
pkazi_f_20131001_604.JPG	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	10/31/2013 10/31/2013	Pavel Kazi

Levee Mile Report Line	67
Start Levee Mile	7.12
End Levee Mile	7.12
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscaping providing a screen for a residence on landside of levee at LM 7.12	
pkazi_f_20131001_603.JPG	



Levee Mile Report Line	72
Start Levee Mile	7.92
End Levee Mile	7.92
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscaping on landside of levee at LM 7.92	
pkazi_f_20131001_602.JPG	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2013 Levee Inspection Results

Reclamation District No. 0150 Merrit Island

Waterway			Bank	Unit Miles
Unit No. 03 Elk Slough			Left	9.58
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	03/12/2013 - 03/13/2013		10/29/2013 - 10/29/2013	
DWR Inspector	Pavel Kazi		Pavel Kazi	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector	
LMR No.	Levee Mile		Category	Item	* Location Start	* Rating +	Action/Comment	GPS Latitude/Longitude		Issue No. Start	
	Start	End						End	Photo		
1	0.00	0.00	Supplemental DWR UCIP Field Study		LS	U En	Inspector Comments: FS_ID:18884 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Concrete stand pipe on LS. Levee damage. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 5.9 feet below the crown. Pump and gate valve on the waterward slope. Concrete standpipe at the landward toe. FS Date: 8/20/2013	38.367213 °	38.367213 °	54	DWR ID: DWR_RD0150_03_f_2013_54 -121.555273 °
2	0.00	0.00	Supplemental DWR UCIP Field Study		LS	M En	Inspector Comments: FS_ID:18304 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 14-inch steel pipe through the levee, 8.0 feet below the crown, pump in pump house on the waterward slope. Service pole on the landward slope. (A. Pylman) O&M Manual SAC 112, March 1957. FS Date: 8/20/2013	38.347489 °	38.347489 °	81	DWR ID: DWR_RD0150_03_f_2013_81 -121.573302 °
3	0.00	0.00	Supplemental DWR UCIP Field Study		LS	M En	Inspector Comments: FS_ID:18357 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Handrail. FIELD_STRUCT_DESC: 14-inch steel pipe through the levee, 8.0 feet below the crown, pump in pump house on the waterward slope. Service pole on the landward slope. FS Date: 8/20/2013	38.347489 °	38.347489 °	92	DWR ID: DWR_RD0150_03_f_2013_92 -121.573302 °
4	0.00	0.00	Supplemental DWR UCIP Field Study		LS	M En	Inspector Comments: FS_ID:18363 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Small depression on WS slope due to leak from pump. Pipe opens on LS ditch/depression. FIELD_STRUCT_DESC: 10-inch pipe through the levee, 3.4 feet below the crown, pump, gate valve and service pole on the waterward slope. FS Date: 8/20/2013	38.353180 °	38.353180 °	95	DWR ID: DWR_RD0150_03_f_2013_95 -121.572907 °

* Location LS : Land Side WS : Water Side CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector			
LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment			GPS Latitude/Longitude	Issue No.		
	Start	End								Start	Photo		
5	0.00	0.00	Supplemental DWR UCIP Field Study	DWR UCIP Field Study	LS En	M	Inspector Comments: FS_ID:18064 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned. Proper abandoned needs. FIELD_STRUCT_DESC: 6-inch steel pipe through the levee, 3.5 feet below the crown. Pump and gate valve on the waterward slope. FS Date: 8/20/2013	38.337928 °	38.337928 °	96	-121.581496 °	-121.581496 °	
											DWR ID: DWR_RD0150_03_f_2013_96		
6	0.00	0.00	Supplemental DWR UCIP Field Study	DWR UCIP Field Study	LS En	M	Inspector Comments: FS_ID:18086 EP_NO: 13612 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned. Proper abandone needs. FIELD_STRUCT_DESC: 6-inch steel pipe through the levee, 3.5 feet below the crown. Pump and gate valve on the waterward slope. FS Date: 8/20/2013	38.337928 °	38.337928 °	99	-121.581496 °	-121.581496 °	Y
											DWR ID: DWR_RD0150_03_f_2013_99		
7	0.00	9.40	Supplemental USACE Erosion Survey	USACE Erosion Survey	WS Ob	M	Inspector Comments: 1997 - Most of lower Elk Slough contains high near vertical banks, with erosion into the levee slope. Channel almost appears incised. 2002 - Sites where the levee slope is near vertical and severely eroding. It could fail catastrophically. 2004 - Looks bad in terms of vertical slopes and fallen trees. 2005 - Banks are still over steepened in most places and potentially susceptible to geotechnical failures. 2006 - Both banks are still over steepened in most places and potentially susceptible to geotechnical failures. 2010 - The entire reach is in poor condition, with severely eroding near vertical slopes, needs a regional repair. 2011 - Channel banks are still oversteepened with erosion continuing. 2012: No observed change. [2012 Site ID: ELK_0-2_L]	38.413893 °	38.332735 °	2	-121.522896 °	-121.583625 °	Y
											DWR ID:		
8	0.11	0.11	Earthen Levee	Vegetation	WSA/W Ma	V4 : Elderberries are blocking visibility and flood fight capability.				38.334233 °	38.334233 °	936	
										-121.583414 °	-121.583414 °	Y	
										DWR ID: DWR_RD0150_03_s_2012_936			
9	0.36	0.36	Earthen Levee	Encroachments	WS En	M	BU : Building Inspector Comments: Steps, water, electricity, and dock on waterward slope.			38.337442 °	38.337442 °	3	
										-121.581628 °	-121.581628 °	Y	
										DWR ID: DWR_RD0150_03_s_2012_3			
10	0.38	0.38	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping Inspector Comments: ice plant on land slope			38.337632 °	38.337632 °	42	
										-121.581532 °	-121.581532 °		
										DWR ID: DWR_RD0150_03_s_2012_42			

* Location LS : Land Side WS : Water Side CR : Crown

** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
---	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector	
LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment			GPS Latitude/Longitude	Issue No.
	Start	End					Start	End	Photo		
11	0.39	0.39	Supplemental DWR UCIP Field Study		WS M En		Inspector Comments: FS_ID:19104 EP_NO: 13612 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned. Proper abandon needs. FIELD_STRUCT_DESC: Abandoned 6-inch steel pipe through the levee, 3.5 feet below the crown. Pump and gate valve on the waterward slope. FS Date: 8/20/2013	38.337928 ° -121.581496 °	38.337928 ° -121.581496 °	100	
12	0.41	0.41	Supplemental DWR UCIP Field Study		WS M En		Inspector Comments: FS_ID:19095 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Seems to be abandoned. Service pole on LS slope. 1" conduit through levee. May need proper abandonment. FIELD_STRUCT_DESC: 6-inch steel pipe through the levee, 3.5 feet below the crown. Pump and gate valve on the waterward slope. FS Date: 8/20/2013	38.338131 ° -121.581434 °	38.338131 ° -121.581434 °	101	
13	0.46	0.46	Earthen Levee	Animal Control	WS M Ma		A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.338858 ° -121.581318 °	38.338858 ° -121.581318 °	111	
14	0.56	0.56	Earthen Levee	Trim / Thin Trees	WS C Ma		T2 : Thin trees to allow visibility of the ground and room to flood fight.	38.340273 ° -121.580969 °	38.340273 ° -121.580969 °	937	
15	0.92	0.95	Earthen Levee	Vegetation	LS A/W Ma		V4 : Elderberries are blocking visibility and flood fight capability.	38.345293 ° -121.579769 °	38.345634 ° -121.579574 °	5	
16	1.38	1.38	Supplemental DWR UCIP Field Study		LS M En		Inspector Comments: FS_ID:19112 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No handrail on wooden walkway. FIELD_STRUCT_DESC: 14-inch steel pipe through the levee, 8.0 feet below the crown, pump in pump house on the waterward slope. Service pole and steel distribution box on the landward slope. FS Date: 8/20/2013	38.347489 ° -121.573302 °	38.347489 ° -121.573302 °	102	
17	1.61	2.13	Earthen Levee	Trim / Thin Trees	WS C Ma		T2 : Thin trees to allow visibility of the ground and room to flood fight.	38.350385 ° -121.572793 °	38.354092 ° -121.568151 °	29	

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
L/MR No	Levee Mile		Category	Item	* Location	* Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	
	Start	End						Start	End		
18	1.81	1.81	Supplemental DWR UCIP Field Study		CR M En		Inspector Comments: FS_ID:19137 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Small depression on WS slope due to leak from pump. Pipe opens on LS ditch/depression. FIELD_STRUCT_DESC: 10-inch pipe through the levee, 3.4 feet below the crown, pump, gate valve and service pole on the waterward slope. FS Date: 8/20/2013	38.353180 °	38.353180 °	103 -121.572907 ° -121.572907 °	
19	1.82	1.82	Earthen Levee	Erosion / Bank Caving	WS M Ma		E1 : Note and monitor erosion site. Inspector Comments: Erosion appeared under the pipe.	38.353249 °	38.353249 °	50 -121.572848 ° -121.572848 ° Y	
										DWR ID: DWR_RD0150_03_s_2012_50	
20	1.97	1.97	Earthen Levee	Encroachments	LS M Ma		PR : Prunings	38.354775 °	38.354775 °	112 -121.570843 ° -121.570843 ° Y	
										DWR ID: DWR_RD0150_03_f_2013_112	
21	2.34	2.34	Earthen Levee	Encroachments	LS M En		TR : Tree or limb Inspector Comments: New tree was planted on the landside slope.	38.354286 °	38.354286 °	78 -121.564494 ° -121.564494 ° Y	
										DWR ID: DWR_RD0150_03_s_2012_78	
22	2.60	2.60	Earthen Levee	Trim / Thin Trees	LS N Ma		T5 : Tree stumps.	38.356853 °	38.356853 °	11 -121.561565 ° -121.561565 ° Y	
										DWR ID: DWR_RD0150_03_s_2012_11	
23	2.71	2.71	Earthen Levee	Encroachments	WS M En		PI : Pipe	38.358406 °	38.358406 °	34 -121.561300 ° -121.561300 ° Y	
										DWR ID: DWR_RD0150_03_s_2013_34	
24	2.86	2.86	Earthen Levee	Erosion / Bank Caving	WS M Ma		E2 : Schedule repair of erosion site prior to the next inspection.	38.360432 °	38.360432 °	35 -121.561644 ° -121.561644 ° Y	
										DWR ID: DWR_RD0150_03_s_2013_35	
25	2.87	2.87	Earthen Levee	Trim / Thin Trees	WS N Ma		T5 : Tree stumps.	38.360621 °	38.360621 °	17 -121.561762 ° -121.561762 ° Y	
										DWR ID: DWR_RD0150_03_s_2012_17	
26	2.93	2.93	Earthen Levee	Slope Stability	WS M Ma		S1 : Repair slope instability.	38.361375 °	38.361375 °	76 -121.562134 ° -121.562134 ° Y	
										DWR ID: DWR_RD0150_03_s_2012_76	
27	2.93	2.93	Earthen Levee	Crown Surface / Depressions / Rutting	CR C Ma		C3 : Add appropriate gravel or road base. Grade and compact.	38.361375 °	38.361375 °	75 -121.562135 ° -121.562135 °	
										DWR ID: DWR_RD0150_03_s_2012_75	
28	3.18	3.18	Earthen Levee	Trim / Thin Trees	WS C Ma		T2 : Thin trees to allow visibility of the ground and room to flood fight.	38.363800 °	38.363800 °	19 -121.560128 ° -121.560128 °	
										DWR ID: DWR_RD0150_03_s_2012_19	
29	3.21	3.21	Earthen Levee	Trim / Thin Trees	WS N Ma		T5 : Tree stumps.	38.363658 °	38.363658 °	20 -121.559583 ° -121.559583 ° Y	
										DWR ID: DWR_RD0150_03_s_2012_20	

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
LIR No	Levee Mile		Category	Item	* Location Start	* Rating +	Action/Comment	GPS Latitude/Longitude		Issue No. Start	Photo
	Levee Mile	Start						Start	End		
30	3.31	3.31	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M Ma	C3 : Add appropriate gravel or road base. Grade and compact.	38.363101 °	38.363101 °	91	-121.557847 ° -121.557847 ° Y
											DWR ID: DWR_RD0150_03_f_2012_91
31	3.34	3.34	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.363015 °	38.363015 °	70	-121.557325 ° -121.557325 ° Y
											DWR ID: DWR_RD0150_03_s_2012_70
32	3.34	3.34	Earthen Levee	Encroachments	LS	M Ma	MA : Material	38.363015 °	38.363015 °	71	-121.557325 ° -121.557325 ° Y
											DWR ID: DWR_RD0150_03_s_2012_71
33	3.34	3.34	Earthen Levee	Encroachments	LS	M En	PI : Pipe	38.363043 °	38.363043 °	39	-121.557316 ° -121.557316 ° Y
											DWR ID: DWR_RD0150_03_s_2012_39
34	3.35	3.35	Earthen Levee	Encroachments	LS	M En	PO : Pole	38.362992 °	38.362992 °	113	Inspector Comments: Unused pole on the landside shoulder of the levee
											DWR ID: DWR_RD0150_03_f_2013_113
35	3.37	3.37	Earthen Levee	Erosion / Bank Caving	WS	M Ma	E2 : Schedule repair of erosion site prior to the next inspection.	38.363008 °	38.363008 °	40	-121.556751 ° -121.556751 ° Y
											DWR ID: DWR_RD0150_03_s_2013_40
36	3.41	3.41	Earthen Levee	Trim / Thin Trees	WS	N Ma	T5 : Tree stumps.	38.363147 °	38.363147 °	27	-121.556190 ° -121.556190 ° Y
											DWR ID: DWR_RD0150_03_s_2012_27
37	3.45	3.45	Earthen Levee	Encroachments	WS	M Ma	ST : Stairway	38.363540 °	38.363540 °	114	-121.555555 ° -121.555555 ° Y
											DWR ID: DWR_RD0150_03_f_2013_114
38	3.45	3.45	Earthen Levee	Erosion / Bank Caving	LS	U Ma	E2 : Schedule repair of erosion site prior to the next inspection.	38.363540 °	38.363540 °	115	Inspector Comments: Erosion was found on the landside toe of the levee.
											DWR ID: DWR_RD0150_03_f_2013_115
39	3.47	3.47	Earthen Levee	Erosion / Bank Caving	WS	M Ma	E1 : Note and monitor erosion site.	38.363803 °	38.363803 °	98	Inspector Comments: Erosion was located on the waterside of the levee looking downstream.
											DWR ID: DWR_RD0150_03_s_2012_98
40	3.50	3.54	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.364251 °	38.364772 °	47	-121.555321 ° -121.555343 ° Y
											DWR ID: DWR_RD0150_03_s_2012_47
41	3.51	3.51	Earthen Levee	Encroachments	LS	M En	EQ : Equipment	38.363205 °	38.363205 °	97	-121.555962 ° -121.555962 ° Y
											DWR ID: DWR_RD0150_03_s_2012_97

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector		
MR No	Levee Mile		Category	Item	* Location	** Rating	Action/Comment			GPS Latitude/Longitude	Issue No.	
	Start	End					Start	End	Photo			
42	3.72	3.72	Supplemental DWR UCIP Field Study	DWR UCIP Field Study	LS	U	Inspector Comments: FS_ID:19204 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Concrete standpipe on LS. Levee damage.Gate valve on WS not found.Safety valve on WS pipe. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 5.9 feet below the crown. Pump the waterward slope. Concrete standpipe at the landward toe. (R. & J. Pylman) O&M Manual SAC 112, March 1957. FS Date: 8/20/2013	38.367213 °	38.367213 °	104	-121.555273 °	-121.555273 °
43	3.72	3.72	Supplemental DWR UCIP Field Study	DWR UCIP Field Study	LS	U	Inspector Comments: FS_ID:19203 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Concrete standpipe on LS. Levee damage.Gate valve on WS not found.Safety valve on WS pipe. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 5.9 feet below the crown. Pump the waterward slope. Concrete standpipe at the landward toe. (R. & J. Pylman) O&M Manual SAC 112, March 1957. FS Date: 8/20/2013	38.367213 °	38.367213 °	105	-121.555273 °	-121.555273 °
44	3.75	3.75	Earthen Levee	Slope Stability	LS	A/W	S3 : Repair the levee slope damaged by vehicle traffic and Ma prevent access where possible.	38.367305 °	38.367305 °	927	-121.554984 °	-121.554984 °
45	3.77	3.77	Earthen Levee	Slope Stability	WS	A	S2 : Repair the levee slope damaged by foot traffic and Ma prevent access where possible. Inspector Comments: Slope instability was repaired by the LMA.	38.367371 °	38.367371 °	45	-121.554427 °	-121.554427 °
46	3.79	3.79	Earthen Levee	Animal Control	WS	C	A3 : No rodents visible, but rodent burrows visible; need to Ma backfill and compact or grout burrows.	38.367538 °	38.367538 °	85	-121.552780 °	-121.552780 °
47	3.85	3.85	Earthen Levee	Slope Stability	WS	M	S1 : Repair slope instability. Ma	38.367535 °	38.367535 °	116	-121.552815 °	-121.552815 °
48	3.93	3.93	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	C3 : Add appropriate gravel or road base. Grade and Ma compact.	38.368120 °	38.368120 °	117	-121.551522 °	-121.551522 °
49	3.95	3.95	Earthen Levee	Encroachments	LS	M	DE : Debris Ma	38.368118 °	38.368118 °	48	-121.551509 °	-121.551509 °
50	4.35	4.35	Earthen Levee	Trim / Thin Trees	WS	N	T5 : Tree stumps. Ma	38.373319 °	38.373319 °	37	-121.550836 °	-121.550836 °

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector		
L/MR No	Levee Mile		Category	Item	* Location	** Rating	Action/Comment			GPS Latitude/Longitude	Issue No.	
	Start	End					Start	End	Photo			
51	4.46	4.46	Earthen Levee	Encroachments	LS Ma	PR : Prunings				38.374269 ° 38.374269 ° 51 -121.549385 ° -121.549385 ° Y DWR ID: DWR_RD0150_03_s_2012_51		
52	4.51	4.51	Earthen Levee	Encroachments	LS Ma	TR : Tree or limb				38.374267 ° 38.374267 ° 52 -121.548441 ° -121.548441 ° Y DWR ID: DWR_RD0150_03_s_2012_52		
53	4.58	4.58	Earthen Levee	Vegetation	LS En	V6 : Landscaping				38.374367 ° 38.374367 ° 94 -121.547327 ° -121.547327 ° DWR ID: DWR_RD0150_03_s_2012_94		
54	4.71	4.71	Supplemental DWR UCIP Field Study		LS En	Inspector Comments: FS_ID:19281 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - service pole on LS. 1" conduit on WS.- levee toe cut out on landside.- walkway and gate. FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, 3.8 feet below the crown, pump on piling in stream. Concrete standpipe at the landward toe. (P. Cook) O&M Manual SAC 112, March 1957. FS Date: 8/20/2013					38.374934 ° 38.374934 ° 106 -121.545029 ° -121.545029 ° Y DWR ID: DWR_RD0150_03_f_2013_106	
55	4.95	4.95	Earthen Levee	Crown Surface / Depressions / Rutting	CR Ma	C3 : Add appropriate gravel or road base. Grade and compact.				38.377333 ° 38.377333 ° 65 -121.541930 ° -121.541930 ° Y DWR ID: DWR_RD0150_03_s_2013_65		
56	4.98	4.98	Earthen Levee	Encroachments	LS En	EQ : Equipment				38.377761 ° 38.377761 ° 9 -121.541319 ° -121.541319 ° Y DWR ID: DWR_RD0150_03_s_2012_9		
57	4.99	4.99	Supplemental DWR UCIP Field Study		LS En	Inspector Comments: FS_ID:19283 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - seems abandoned.- may need proper abandonment FIELD_STRUCT_DESC: Abandoned 10-inch steel pipe through the levee, 7.2 feet below the crown, gate valve on the landward end. (D. Conner) O&M Manual SAC 112, March 1957. FS Date: 8/23/2013					38.377718 ° 38.377718 ° 107 -121.541413 ° -121.541413 ° Y DWR ID: DWR_RD0150_03_f_2013_107	
58	5.08	5.08	Earthen Levee	Slope Stability	WS Ma	S1 : Repair slope instability.				38.378771 ° 38.378771 ° 36 -121.540538 ° -121.540538 ° Y DWR ID: DWR_RD0150_03_f_2012_36		
59	5.13	5.13	Earthen Levee	Slope Stability	WS Ob	S1 : Repair slope instability.				38.379456 ° 38.379456 ° 4 -121.540147 ° -121.540147 ° Y DWR ID: DWR_RD0150_03_s_2012_4		
60	5.15	5.15	Earthen Levee	Encroachments	LS Ma	PR : Prunings				38.379759 ° 38.379759 ° 118 -121.540063 ° -121.540063 ° Y DWR ID: DWR_RD0150_03_f_2013_118		

* Location LS : Land Side WS : Water Side CR : Crown

** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain
---	---

+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
MR No	Levee Mile		Category	Item	* Location	* Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	
	Start	End						Start	End		
61	5.22	5.22	Earthen Levee	Crown Surface / Depressions / Rutting	CR M Ma	C2 : Repair depressions or ruts in the crown or slope. Inspector Comments: There is a significant difference in the crown roadway elevation as it transitions from the paved roadway to the gravel access road.	38.380779 ° -121.540264 °	38.380779 ° -121.540264 °	Y	DWR ID: DWR_RD0150_03_s_2012_941	
62	5.61	5.61	Earthen Levee	Encroachments	LS M En	PR : Prunings	38.383328 ° -121.545825 °	38.383328 ° -121.545825 °	Y	DWR ID: DWR_RD0150_03_s_2012_12	
63	5.66	5.66	Earthen Levee	Trim / Thin Trees	WS N Ma	T5 : Tree stumps.	38.383697 ° -121.545201 °	38.383697 ° -121.545201 °	Y	DWR ID: DWR_RD0150_03_s_2012_68	
64	5.80	5.80	Earthen Levee	Trim / Thin Trees	WS N Ma	T5 : Tree stumps.	38.383969 ° -121.542806 °	38.383969 ° -121.542806 °	Y	DWR ID: DWR_RD0150_03_s_2012_41	
65	5.81	5.81	Supplemental DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:19363 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - levee toe cut out at open end of the pipe.- service pole and control box on river bank. FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, 7.8 feet below crown, no control valves. Cross fence, wire drag gate. (D. Conner) O&M Manual SAC 112, March 1957. FS Date: 8/23/2013			38.383996 ° -121.542638 °	38.383996 ° -121.542638 °	108	DWR ID: DWR_RD0150_03_f_2013_108
66	5.84	5.84	Earthen Levee	Trim / Thin Trees	CR C Ma	T4 : Trim trees over roadway to at least 12 feet above ground level. Inspector Comments: Tree trunk was obstructing crown surface road.	38.384106 ° -121.542004 °	38.384106 ° -121.542004 °	83	DWR ID: DWR_RD0150_03_s_2013_83	
67	5.88	5.88	Earthen Levee	Vegetation	WS M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.384333 ° -121.541310 °	38.384333 ° -121.541310 °	Y	DWR ID: DWR_RD0150_03_s_2012_28	
68	5.89	5.94	Earthen Levee	Encroachments	LS M En	FE : Fence	38.384363 ° -121.541161 °	38.384796 ° -121.540525 °	56	DWR ID: DWR_RD0150_03_s_2012_56	
69	5.93	5.93	Earthen Levee	Encroachments	LS M Ma	TR : Tree or limb	38.384648 ° -121.540669 °	38.384648 ° -121.540669 °	57	DWR ID: DWR_RD0150_03_s_2012_57	
70	5.93	5.93	Earthen Levee	Encroachments	CR U En	BU : Building	38.384803 ° -121.540545 °	38.384803 ° -121.540545 °	58	DWR ID: DWR_RD0150_03_s_2012_58	
71	6.01	6.09	Earthen Levee	Vegetation	LS M En	V6 : Landscaping	38.385752 ° -121.539905 °	38.386703 ° -121.540042 °	21	DWR ID: DWR_RD0150_03_s_2012_21	
72	6.05	6.05	Earthen Levee	Trim / Thin Trees	WS M Ma	T2 : Thin trees to allow visibility of the ground and room to flood fight.	38.386351 ° -121.539828 °	38.386351 ° -121.539828 °	33	DWR ID: DWR_RD0150_03_s_2012_33	

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating	N : Not Inspected/Rated	+ Issue Type
A : Acceptable		Ma : Maintenance Deficiency
M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector	
L/MR No.	Levee Mile		Category	Item	* Location Start	* Rating +	Action/Comment			GPS Latitude/Longitude	Issue No.
	Start	End								Start	Photo
73	6.06	6.06	Supplemental DWR UCIP Field Study		LS En	M	Inspector Comments: FS_ID:19403 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - pipe ends open on both sides of the levee.- abandoned concrete box on WS.- two abandoned steel pipes (6" and 1") also found on WS. - needs proper abandonment FIELD_STRUCT_DESC: Abandoned 6-inch steel pipe through the levee, 2.5 feet below the crown. Power pole on the landward slope. (W. Bogle). O&M Manual SAC 112, March 1957. FS Date: 8/23/2013		38.386402 ° -121.539834 °	38.386402 ° -121.539834 °	109 Y
74	6.06	6.06	Earthen Levee	Encroachments	WS Ma	M	PI : Pipe Inspector Comments: Improperly abandoned pipe through the levee.		38.386422 ° -121.539861 °	38.386422 ° -121.539861 °	46 Y
75	6.14	6.14	Earthen Levee	Encroachments	WS En	M	AV : Abandoned vehicles Inspector Comments: It appeared to be an abandoned dock.		38.387295 ° -121.540612 °	38.387295 ° -121.540612 °	44 Y
76	6.14	6.14	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping		38.387348 ° -121.540577 °	38.387348 ° -121.540577 °	DWR ID: DWR_RD0150_03_s_2012_23
77	6.24	6.31	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping		38.388535 ° -121.541657 °	38.389391 ° -121.541901 °	24 Y
78	6.34	6.34	Earthen Levee	Trim / Thin Trees	WS Ma	N	T5 : Tree stumps.		38.389658 ° -121.541518 °	38.389658 ° -121.541518 °	49 Y
79	6.35	6.36	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping		38.389700 ° -121.541462 °	38.389808 ° -121.541285 °	25 Y
80	6.37	6.40	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping		38.389858 ° -121.541155 °	38.390115 ° -121.540657 °	26 Y
81	6.49	6.49	Earthen Levee	Trim / Thin Trees	WS Ma	M	T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.		38.390935 ° -121.539369 °	38.390935 ° -121.539369 °	62 Y
82	6.56	6.56	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping		38.391616 ° -121.538378 °	38.391616 ° -121.538378 °	60 Y
83	6.61	6.61	Earthen Levee	Slope Stability	WS Ma	M	S1 : Repair slope instability.		38.392172 ° -121.538065 °	38.392172 ° -121.538065 °	43 Y
84	6.64	6.64	Earthen Levee	Encroachments	LS En	M	PR : Prunings		38.392650 ° -121.538089 °	38.392650 ° -121.538089 °	77 Y
* Location LS : Land Side WS : Water Side CR : Crown				** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable			+ Issue Type N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			DWR ID: DWR_RD0150_03_s_2012_26	

* Location

LS : Land Side
WS : Water Side
CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : UnacceptableN : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector			
Unit No. 03 Elk Slough							Left	9.58	10/29/2013 10/29/2013	Pavel Kazi			
MR No	Levee Mile		Category	Item	* Location	* Rating	Action/Comment			GPS Latitude/Longitude	Issue No.		
	Start	End								Start			
85	6.87	6.95	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping			38.395670 ° 38.396027 ° 30 -121.537925 ° -121.536575 ° Y DWR ID: DWR_RD0150_03_s_2012_30			
86	6.93	6.95	Earthen Levee	Encroachments	LS En	M	FE : Fence			38.395470 ° 38.395998 ° 13 ° -121.536613 ° Y DWR ID: DWR_RD0150_03_s_2012_13			
87	6.98	7.04	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping	Inspector Comments: Landscaping has been maintained better, but some obstructions still exist.		38.396187 ° 38.396989 ° 933 -121.536180 ° -121.535151 ° Y DWR ID: DWR_RD0150_03_s_2012_933			
88	7.02	7.02	Earthen Levee	Trim / Thin Trees	LS Ma	M	T2 : Thin trees to allow visibility of the ground and room to flood fight.			38.396698 ° 38.396698 ° 79 -121.535406 ° -121.535406 ° DWR ID: DWR_RD0150_03_f_2012_79			
89	7.02	7.02	Earthen Levee	Erosion / Bank Caving	WS Ma	M	E1 : Note and monitor erosion site.			38.396655 ° 38.396655 ° 61 -121.535485 ° -121.535485 ° Y DWR ID: DWR_RD0150_03_s_2012_61			
90	7.06	7.09	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping			38.397021 ° 38.397540 ° 31 -121.535151 ° -121.535183 ° Y DWR ID: DWR_RD0150_03_s_2012_31			
91	7.34	7.34	Supplemental DWR UCIP Field Study		LS En	U	Inspector Comments: FS_ID:19723 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: - Safety valve on pipe on waterside.- Power pole on waterside.- gully formation (erosion) on waterside levee slope FIELD_STRUCT_DESC: 8-inch steel pipe through the levee, 7.7 feet below the crown, pump and gate valve on the waterward slope. Power pole on waterside. O&M Manual Sac 112, March 1957. FS Date: 8/23/2013					38.400883 ° 38.400883 ° 110 -121.536200 ° -121.536200 ° Y DWR ID: DWR_RD0150_03_f_2013_110	
92	7.39	7.39	Earthen Levee	Vegetation	WS En	M	V6 : Landscaping			38.401481 ° 38.401481 ° 64 -121.536876 ° -121.536876 ° Y DWR ID: DWR_RD0150_03_s_2012_64			
93	7.42	7.47	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping			38.401738 ° 38.402296 ° 32 -121.537127 ° -121.537678 ° Y DWR ID: DWR_RD0150_03_s_2012_32			
94	7.50	7.50	Earthen Levee	Trim / Thin Trees	LS Ma	N	T5 : Tree stumps.			38.402779 ° 38.402779 ° 63 -121.538197 ° -121.538197 ° Y DWR ID: DWR_RD0150_03_s_2012_63			
95	7.54	7.54	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping			38.403047 ° 38.403047 ° 84 -121.538433 ° -121.538433 ° Y DWR ID: DWR_RD0150_03_s_2012_84			
96	7.58	7.58	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping			38.403566 ° 38.403566 ° 934 -121.538886 ° -121.538886 ° Y DWR ID: DWR_RD0150_03_s_2012_934			

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

+ Issue Type
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough							Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

LWR No	Levee Mile		Category	Item	* Location	* Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
97	7.60	7.60	Earthen Levee	Encroachments	LS Ma	PR : Prunings		38.403795 °	38.403795 °	935
								-121.539205 °	-121.539205 °	Y
								DWR ID: DWR_RD0150_03_s_2012_935		
98	7.81	7.81	Earthen Levee	Encroachments	WS En	PO : Pole		38.405275 °	38.405275 °	1
								-121.542473 °	-121.542473 °	
								DWR ID: DWR_RD0150_03_s_2012_1		
99	7.82	7.82	Earthen Levee	Encroachments	LS En	EQ : Equipment		38.405342 °	38.405342 °	16
								-121.542553 °	-121.542553 °	Y
								DWR ID: DWR_RD0150_03_s_2012_16		
100	7.85	7.85	Earthen Levee	Encroachments	LS En	PR : Prunings		38.405625 °	38.405625 °	119
								-121.542835 °	-121.542835 °	Y
								DWR ID: DWR_RD0150_03_f_2013_119		
101	7.86	7.86	Earthen Levee	Trim / Thin Trees	WS Ma	T2 : Thin trees to allow visibility of the ground and room to flood fight.		38.405850 °	38.405850 °	86
								-121.542956 °	-121.542956 °	
								DWR ID: DWR_RD0150_03_s_2012_86		
102	8.05	8.05	Earthen Levee	Encroachments	WS En	PI : Pipe		38.408342 °	38.408342 °	87
						Inspector Comments: An abandoned pipe.		-121.541580 °	-121.541580 °	Y
								DWR ID: DWR_RD0150_03_s_2012_87		
103	8.19	8.19	Earthen Levee	Encroachments	LS Ma	PR : Prunings		38.409224 °	38.409224 °	82
								-121.539350 °	-121.539350 °	
								DWR ID: DWR_RD0150_03_f_2013_82		
104	8.46	8.46	Earthen Levee	Erosion / Bank Caving	WS Ma	E1 : Note and monitor erosion site.		38.407960 °	38.407960 °	66
								-121.534898 °	-121.534898 °	Y
								DWR ID: DWR_RD0150_03_s_2012_66		
105	8.48	8.48	Earthen Levee	Erosion / Bank Caving	WS Ma	E1 : Note and monitor erosion site.		38.407958 °	38.407958 °	67
								-121.534583 °	-121.534583 °	Y
								DWR ID: DWR_RD0150_03_s_2012_67		
106	8.52	8.52	Earthen Levee	Animal Control	WS Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.		38.408153 °	38.408153 °	89
								-121.533980 °	-121.533980 °	Y
								DWR ID: DWR_RD0150_03_s_2012_89		
107	8.52	8.52	Earthen Levee	Encroachments	WS En	PO : Pole		38.408155 °	38.408155 °	88
								-121.533982 °	-121.533982 °	
								DWR ID: DWR_RD0150_03_s_2012_88		
108	8.52	8.62	Earthen Levee	Encroachments	LS En	DT : Ditch		38.408238 °	38.409291 °	69
						Inspector Comments: Irrigation ditch in landside toe		-121.533866 °	-121.532702 °	
								DWR ID: DWR_RD0150_03_s_2012_69		
109	8.62	8.62	Earthen Levee	Animal Control	LS Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.		38.409287 °	38.409287 °	120
								-121.532718 °	-121.532718 °	Y
								DWR ID: DWR_RD0150_03_f_2013_120		
110	8.62	8.62	Earthen Levee	Trim / Thin Trees	LS Ma	T5 : Tree stumps.		38.409220 °	38.409220 °	90
								-121.532801 °	-121.532801 °	Y
								DWR ID: DWR_RD0150_03_s_2012_90		
111	8.65	8.65	Earthen Levee	Trim / Thin Trees	WS Ma	T5 : Tree stumps.		38.409559 °	38.409559 °	55
								-121.532356 °	-121.532356 °	Y
								DWR ID: DWR_RD0150_03_s_2012_55		

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector	
LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment			GPS Latitude/Longitude	Issue No.
	Start	End								Start	End
112	8.87	8.87	Earthen Levee	Encroachments	WS Ma	DE : Debris				38.411593 °	38.411593 ° 7
										-121.529143 °	-121.529143 ° Y
										DWR ID: DWR_RD0150_03_s_2012_7	
113	9.35	9.35	Earthen Levee	Trim / Thin Trees	WS Ma	C	T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.			38.413433 °	38.413433 ° 72
										-121.526180 °	-121.526180 °
										DWR ID: DWR_RD0150_03_s_2012_72	
114	9.38	9.38	Earthen Levee	Trim / Thin Trees	WS Ma	N	T5 : Tree stumps.			38.413268 °	38.413268 ° 59
										-121.525929 °	-121.525929 ° Y
										DWR ID: DWR_RD0150_03_s_2012_59	
115	9.51	9.51	Earthen Levee	Trim / Thin Trees	WS Ma	M	T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.			38.413169 °	38.413169 ° 73
										-121.523707 °	-121.523707 ° Y
										DWR ID: DWR_RD0150_03_s_2012_73	
116	9.56	9.56	Earthen Levee	Encroachments	LS En	M	EQ : Equipment			38.413560 °	38.413560 ° 950
										-121.522936 °	-121.522936 ° Y
										DWR ID: DWR_RD0150_03_s_2012_950	

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
LS view: power pole and concrete standpipe on levee toe.	
UCIP_11172.jpg	



Levee Mile Report Line	3
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
WS view: pipe, wooden walkway and pump house in channel.	
UCIP_11120.jpg	



Levee Mile Report Line	4
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
WS view: exposed pipe and power pole on levee slope.	
UCIP_11156.jpg	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	6
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study

WS view: pipe and pump on levee slope.

UCIP_11098.jpg



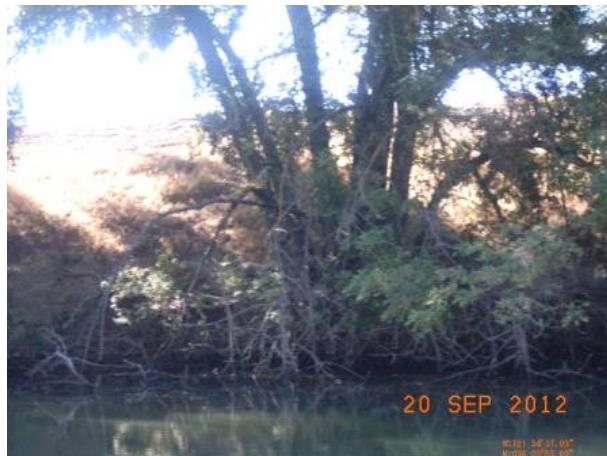
Levee Mile Report Line	7
Start Levee Mile	0.00
End Levee Mile	9.40
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #1



Levee Mile Report Line	7
Start Levee Mile	0.00
End Levee Mile	9.40
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #2



USACE2013_ELK_0-2_L_2.jpg

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	7
Start Levee Mile	0.00
End Levee Mile	9.40
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #3	
USACE2013_ELK_0-2_L_3.jpg	



Levee Mile Report Line	8
Start Levee Mile	0.11
End Levee Mile	0.11
Location	Water Side
Category	Earthen Levee
Item	Vegetation
View of elderberry bush within 20 feet of shoulder blocking visibility and access.	
pkazi_f_20131001_726.jpg	



Levee Mile Report Line	9
Start Levee Mile	0.36
End Levee Mile	0.36
Location	Water Side
Category	Earthen Levee
Item	Encroachments
View of steps, a dock, and associated utilities on the waterward slope.	
pkazi_f_20131001_629.jpg	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	12
Start Levee Mile	0.41
End Levee Mile	0.41
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study
WS view: pipe and pump on levee slope.	
UCIP_11091.jpg	



Levee Mile Report Line	13
Start Levee Mile	0.46
End Levee Mile	0.46
Location	Water Side
Category	Earthen Levee
Item	Animal Control
A rodent hole was found on the waterside shoulder of the levee looking upstream.	
pkazi_f_20131029_016.JPG	



Levee Mile Report Line	15
Start Levee Mile	0.92
End Levee Mile	0.95
Location	Land Side
Category	Earthen Levee
Item	Vegetation
View of elderberries on the landward slope blocking visibility and access.	
pkazi_f_20131001_631.jpg	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	19
Start Levee Mile	1.82
End Levee Mile	1.82
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Erosion was found on the waterside slope of the levee near the vicinity of the pipe. The picture was taken from the crown looking downstream.	
pkazi_f_20131001_669.jpg	



Levee Mile Report Line	19
Start Levee Mile	1.82
End Levee Mile	1.82
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Steps were dug next to the pipe and also erosion was found near the vicinity of the pipe on the waterside slope of the levee looking upstream during fall 2013 inspection.	
pkazi_f_20131029_017.JPG	



Levee Mile Report Line	20
Start Levee Mile	1.97
End Levee Mile	1.97
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Prunings were found on the landside toe of the levee looking downstream.	
pkazi_f_20131029_018.JPG	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

N : Not Inspected/Rated
C : Corrected

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	21
Start Levee Mile	2.34
End Levee Mile	2.34
Location	Land Side
Category	Earthen Levee
Item	Encroachments
New tree has been planted on the landside slope of the levee looking upstream.	
pkazi_f_20131001_702.jpg	



Levee Mile Report Line	21
Start Levee Mile	2.34
End Levee Mile	2.34
Location	Land Side
Category	Earthen Levee
Item	Encroachments
New tree was planted on the landside of the levee looking downstream.	
pkazi_f_20131001_703.jpg	



Levee Mile Report Line	21
Start Levee Mile	2.34
End Levee Mile	2.34
Location	Land Side
Category	Earthen Levee
Item	Encroachments
New tree was found on the landside shoulder of the levee looking downstream. This picture was taken during fall 2012 inspection.	
pkazi_f_20131001_704.jpg	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	21
Start Levee Mile	2.34
End Levee Mile	2.34
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Several newly planted tree were found on the landside slope of the levee looking upstream during the fall 2013 inspection.	pkazi_f_20131029_019.JPG



Levee Mile Report Line	22
Start Levee Mile	2.60
End Levee Mile	2.60
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
View of tree stumps on the landward slope.	pkazi_f_20131001_634.jpg



Levee Mile Report Line	23
Start Levee Mile	2.71
End Levee Mile	2.71
Location	Water Side
Category	Earthen Levee
Item	Encroachments
A pipe was found on the waterside shoulder of the levee looking downstream during spring 2013 inspection.	pkazi_f_20131001_654.JPG



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	24
Start Levee Mile	2.86
End Levee Mile	2.86
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Erosion was found on the waterside slope of the levee looking downstream during spring 2013 inspection.	
pkazi_f_20131001_655.JPG	



Levee Mile Report Line	25
Start Levee Mile	2.87
End Levee Mile	2.87
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
View of tree stumps on the waterward slope.	
pkazi_f_20131001_640.jpg	



Levee Mile Report Line	26
Start Levee Mile	2.93
End Levee Mile	2.93
Location	Water Side
Category	Earthen Levee
Item	Slope Stability
Slope instability was found on the waterside of the levee. The picture was taken from the crown looking towards the toe of the levee.	
pkazi_f_20131001_699.jpg	



11/29/2011

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	26
Start Levee Mile	2.93
End Levee Mile	2.93
Location	Water Side
Category	Earthen Levee
Item	Slope Stability
Erosion was found on the waterside of the levee looking upstream. This picture was taken during spring 2012 inspection.	
pkazi_f_20131001_700.jpg	



Levee Mile Report Line	29
Start Levee Mile	3.21
End Levee Mile	3.21
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
View of tree stumps on the waterward slope.	
pkazi_f_20131001_642.jpg	



Levee Mile Report Line	30
Start Levee Mile	3.31
End Levee Mile	3.31
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
Crown depression was found on the access road looking downstream.	
pkazi_f_20131001_716.jpg	



* Location LS : Land Side WS : Water Side CR : Crown
** Rating

A : Acceptable	N : Not Inspected/Rated
M : Minimally Acceptable	C : Corrected
U : Unacceptable	A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	31
Start Levee Mile	3.34
End Levee Mile	3.34
Location	Land Side
Category	Earthen Levee
Item	Animal Control
Rodent holes were found on the landside of the levee looking downstream.	
pkazi_f_20131001_693.jpg	



Levee Mile Report Line	31
Start Levee Mile	3.34
End Levee Mile	3.34
Location	Land Side
Category	Earthen Levee
Item	Animal Control
Animal holes were found on the landside shoulder of the levee. This picture was taken from the crown looking towards the landside of the levee during fall 2012 inspection.	
pkazi_f_20131001_694.jpg	



Levee Mile Report Line	32
Start Levee Mile	3.34
End Levee Mile	3.34
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Material was found on the landside of the levee looking downstream.	
pkazi_f_20131001_695.jpg	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	33
Start Levee Mile	3.34
End Levee Mile	3.34
Location	Land Side
Category	Earthen Levee
Item	Encroachments
An abandoned pipe was located on the landside of the levee. The picture was taken from the crown looking downstream.	
pkazi_f_20131001_658.jpg	



Levee Mile Report Line	35
Start Levee Mile	3.37
End Levee Mile	3.37
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Erosion was found on the waterside toe of the levee looking upstream during spring 2013 inspection.	
pkazi_f_20131001_659.JPG	



Levee Mile Report Line	36
Start Levee Mile	3.41
End Levee Mile	3.41
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
View of tree stumps on the waterside slope looking upstream.	
pkazi_f_20131001_646.jpg	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	37
Start Levee Mile	3.45
End Levee Mile	3.45
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Steps were dug on the waterside slope of the levee looking upstream.	
pkazi_f_20131029_020.JPG	



Levee Mile Report Line	38
Start Levee Mile	3.45
End Levee Mile	3.45
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving
A drainage ditch with depth of 4 feet and width of 15 feet was found on the landside toe of the levee. The picture was taken from the landside slope looking upstream during the fall 2013 inspection.	
pkazi_f_20131029_021.JPG	



Levee Mile Report Line	39
Start Levee Mile	3.47
End Levee Mile	3.47
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Erosion was found on the waterside of the levee looking downstream.	
pkazi_f_20131001_718.jpg	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	40
Start Levee Mile	3.50
End Levee Mile	3.54
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscaping & garden on landward slope of levee at LM 3.50 to LM 3.54.	
pkazi_f_20131001_664.JPG	



Levee Mile Report Line	41
Start Levee Mile	3.51
End Levee Mile	3.51
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Equipment was found on the landside of the levee looking downstream.	
pkazi_f_20131001_717.jpg	



Levee Mile Report Line	44
Start Levee Mile	3.75
End Levee Mile	3.75
Location	Land Side
Category	Earthen Levee
Item	Slope Stability
Repair minor damage to levee slope along landward ramp at LM 3.75.	
pkazi_f_20131001_719.jpg	



* Location LS : Land Side WS : Water Side CR : Crown
--

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	44
Start Levee Mile	3.75
End Levee Mile	3.75
Location	Land Side
Category	Earthen Levee
Item	Slope Stability
Slope instability possible due to vehicular traffic on the landside of the levee. The picture was taken from the crown looking upstream during Spring 2011 inspection.	
pkazi_f_20131001_720.jpg	



05/27/2011

Levee Mile Report Line	45
Start Levee Mile	3.77
End Levee Mile	3.77
Location	Water Side
Category	Earthen Levee
Item	Slope Stability
Slope instability was repaired by the LMA on the waterside slope of the levee looking downstream.	
pkazi_f_20131001_662.JPG	



Levee Mile Report Line	48
Start Levee Mile	3.93
End Levee Mile	3.93
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
Crown depression was found looking upstream during the fall 2013 inspection.	
pkazi_f_20131029_022.JPG	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	49
Start Levee Mile	3.95
End Levee Mile	3.95
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Debris pile on landward slope at LM 3.95.	
pkazi_f_20131001_665.JPG	



Levee Mile Report Line	49
Start Levee Mile	3.95
End Levee Mile	3.95
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Updated view of material piled at the toe of the levee as of fall 2009.	
pkazi_f_20131001_666.jpg	



Levee Mile Report Line	49
Start Levee Mile	3.95
End Levee Mile	3.95
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Debris found on the landside of the levee during Spring 2011 inspection. The picture was taken from the crown looking upstream.	
pkazi_f_20131001_667.jpg	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	50
Start Levee Mile	4.35
End Levee Mile	4.35
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
View of tree stumps on the waterward slope.	
<i>pkazi_f_20131001_657.jpg</i>	



Levee Mile Report Line	51
Start Levee Mile	4.46
End Levee Mile	4.46
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Remove pruning pile on landward slope at LM 4.46.	
<i>pkazi_f_20131001_670.JPG</i>	



Levee Mile Report Line	51
Start Levee Mile	4.46
End Levee Mile	4.46
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Pruning was found on the landside of the levee looking downstream.	
<i>pkazi_f_20131001_671.jpg</i>	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	51
Start Levee Mile	4.46
End Levee Mile	4.46
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Pruning was found on the landside of the levee looking upstream. This picture was taken during fall 2012 inspection.	
pkazi_f_20131001_672.jpg	



Levee Mile Report Line	51
Start Levee Mile	4.46
End Levee Mile	4.46
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Updated picture of the pruning pile on the landside of the levee looking upstream during the fall 2013 inspection.	
pkazi_f_20131029_023.JPG	



Levee Mile Report Line	52
Start Levee Mile	4.51
End Levee Mile	4.51
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Tree branches were found on the toe of landside of the levee. The picture was taken from the crown looking downstream.	
pkazi_f_20131001_673.jpg	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	54
Start Levee Mile	4.71
End Levee Mile	4.71
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
LS view: service pole with electric control box (left) and concrete stantpipe (right)	
UCIP_11429.jpg	



Levee Mile Report Line	55
Start Levee Mile	4.95
End Levee Mile	4.95
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
Crown depressions were found during spring 2013 inspection looking upstream.	
pkazi_f_20131001_688.JPG	



Levee Mile Report Line	56
Start Levee Mile	4.98
End Levee Mile	4.98
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Equipment on the landside toe of the levee. The picture was taken from crown looking downstream.	
pkazi_f_20131001_633.jpg	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	57
Start Levee Mile	4.99
End Levee Mile	4.99
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study
LS view: abandoned pump and gate valve on levee slope.	
UCIP_11430.jpg	



Levee Mile Report Line	58
Start Levee Mile	5.08
End Levee Mile	5.08
Location	Water Side
Category	Earthen Levee
Item	Slope Stability
Slope instability was found on the waterside of the levee looking upstream.	
pkazi_f_20131001_656.jpg	



Levee Mile Report Line	59
Start Levee Mile	5.13
End Levee Mile	5.13
Location	Water Side
Category	Earthen Levee
Item	Slope Stability
Slope instability was found on the waterside of the levee looking upstream.	
pkazi_f_20131001_630.jpg	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

N : Not Inspected/Rated
C : Corrected

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	59
Start Levee Mile	5.13
End Levee Mile	5.13
Location	Water Side
Category	Earthen Levee
Item	Slope Stability
Updated picture of the slope instability on the waterside slope of the levee looking downstream during the fall 2013 inspection.	
pkazi_f_20131029_024.JPG	



Levee Mile Report Line	60
Start Levee Mile	5.15
End Levee Mile	5.15
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Prunings were found on the landside shoulder of the levee looking upstream.	
pkazi_f_20131029_025.JPG	



Levee Mile Report Line	61
Start Levee Mile	5.22
End Levee Mile	5.22
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
View of varying elevations in the crown of the levee at the transition from county road to access road.	
pkazi_f_20131001_728.jpg	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	62
Start Levee Mile	5.61
End Levee Mile	5.61
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Prunings were found on the landside of the levee looking upstream.	
pkazi_f_20131001_635.jpg	



Levee Mile Report Line	62
Start Levee Mile	5.61
End Levee Mile	5.61
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Pruning was found on the landside toe of the levee looking upstream. This picture was taken during fall 2012 inspection.	
pkazi_f_20131001_636.jpg	



Levee Mile Report Line	62
Start Levee Mile	5.61
End Levee Mile	5.61
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Updated picture of debris and pruning on the landside toe of the levee looking upstream. This picture was taken during spring 2013 inspection.	
pkazi_f_20131001_637.JPG	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	62
Start Levee Mile	5.61
End Levee Mile	5.61
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Updated picture of pruning pile on the landside toe of the levee looking upstream during the fall 2013 inspection.	
pkazi_f_20131029_026.JPG	



Levee Mile Report Line	63
Start Levee Mile	5.66
End Levee Mile	5.66
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
Tree stump was found on the waterside of the levee looking upstream.	
pkazi_f_20131001_692.jpg	



Levee Mile Report Line	65
Start Levee Mile	5.81
End Levee Mile	5.81
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study
WS view: walkway, pipe, pump and support deck on river bank.	
UCIP_11717.jpg	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	67
Start Levee Mile	5.88
End Levee Mile	5.88
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Wild growth was found on the waterside slope of the levee looking upstream.

pkazi_f_20131001_647.jpg



Levee Mile Report Line	68
Start Levee Mile	5.89
End Levee Mile	5.94
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of fence around a horse pen along the shoulder of the levee and the landward slope.

pkazi_f_20131001_675.jpg



Levee Mile Report Line	69
Start Levee Mile	5.93
End Levee Mile	5.93
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of a tree trunk lying on the landward slope blocking visibility.

pkazi_f_20131001_676.jpg



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	70
Start Levee Mile	5.93
End Levee Mile	5.93
Location	Crown
Category	Earthen Levee
Item	Encroachments
Building & associated landscaping on levee crown at LM 5.93.	
pkazi_f_20131001_677.JPG	



Levee Mile Report Line	71
Start Levee Mile	6.01
End Levee Mile	6.09
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscaping was found on the landside of the levee looking upstream.	
pkazi_f_20131001_643.jpg	



Levee Mile Report Line	72
Start Levee Mile	6.05
End Levee Mile	6.05
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
Tree trunks and vegetation was obstructing the visibility on the waterside slope of the levee looking downstream.	
pkazi_f_20131001_653.jpg	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	73
Start Levee Mile	6.06
End Levee Mile	6.06
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
WS view: open ended 6" steel pipe (top-left), 1" steel pipe (bottom), and another 6" steel pipe (right) on levee slope.	UCIP_11733.jpg



Levee Mile Report Line	74
Start Levee Mile	6.06
End Levee Mile	6.06
Location	Water Side
Category	Earthen Levee
Item	Encroachments
View of an improperly abandoned pipe through the levee looking upstream.	pkazi_f_20131001_663.jpg



Levee Mile Report Line	75
Start Levee Mile	6.14
End Levee Mile	6.14
Location	Water Side
Category	Earthen Levee
Item	Encroachments
An abandoned dock was found on the waterside of the levee looking upstream.	pkazi_f_20131001_661.jpg



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	77
Start Levee Mile	6.24
End Levee Mile	6.31
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Oleander on landward slope blocking view of levee from LM 6.24 to 6.32	
pkazi_f_20131001_644.jpg	



Levee Mile Report Line	78
Start Levee Mile	6.34
End Levee Mile	6.34
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
View of tree stumps on the waterward slope.	
pkazi_f_20131001_668.jpg	



Levee Mile Report Line	80
Start Levee Mile	6.37
End Levee Mile	6.40
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscaping on landward slope blocking view from LM 6.37 to 6.40	
pkazi_f_20131001_645.jpg	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	81
Start Levee Mile	6.49
End Levee Mile	6.49
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
Vegetation on the waterside of the levee looking downstream.	
pkazi_f_20131001_684.jpg	



Levee Mile Report Line	81
Start Levee Mile	6.49
End Levee Mile	6.49
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
Tree was blocking the visibility on the waterside of the levee looking upstream. This picture was taken during fall 2012 inspection.	
pkazi_f_20131001_685.jpg	



Levee Mile Report Line	82
Start Levee Mile	6.56
End Levee Mile	6.56
Location	Land Side
Category	Earthen Levee
Item	Vegetation
View of landscaping along the landward slope.	
pkazi_f_20131001_679.jpg	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	83
Start Levee Mile	6.61
End Levee Mile	6.61
Location	Water Side
Category	Earthen Levee
Item	Slope Stability
Slope instability was found on the waterside of the levee looking downstream.	
<i>pkazi_f_20131001_660.jpg</i>	



Levee Mile Report Line	84
Start Levee Mile	6.64
End Levee Mile	6.64
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Prunings were found on the landside of the levee looking upstream.	
<i>pkazi_f_20131001_701.jpg</i>	



Levee Mile Report Line	85
Start Levee Mile	6.87
End Levee Mile	6.95
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscaping on landward slope blocking view from LM 6.87 to 6.95	
<i>pkazi_f_20131001_649.jpg</i>	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	86
Start Levee Mile	6.93
End Levee Mile	6.95
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Fence was found on the landside of the levee looking downstream.	pkazi_f_20131001_638.jpg



Levee Mile Report Line	87
Start Levee Mile	6.98
End Levee Mile	7.04
Location	Land Side
Category	Earthen Levee
Item	Vegetation
View of the landscape on the landside shoulder of the levee looking downstream.	pkazi_f_20131001_721.JPG



Levee Mile Report Line	89
Start Levee Mile	7.02
End Levee Mile	7.02
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Updated erosion site picture on the waterside slope of the levee looking upstream during Spring 2011 inspection.	pkazi_f_20131001_680.jpg



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	89
Start Levee Mile	7.02
End Levee Mile	7.02
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Erosion was found on the waterside of the levee looking downstream. This picture was taken during fall 2011 inspection.	
pkazi_f_20131001_681.jpg	



Levee Mile Report Line	89
Start Levee Mile	7.02
End Levee Mile	7.02
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Erosion on the waterside of the levee looking upstream. This picture was taken during spring 2012 inspection.	
pkazi_f_20131001_682.jpg	



Levee Mile Report Line	89
Start Levee Mile	7.02
End Levee Mile	7.02
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Erosion was found on the waterside slope of the levee looking downstream. This updated picture was taken during fall 2012 inspection.	
pkazi_f_20131001_683.jpg	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	90
Start Levee Mile	7.06
End Levee Mile	7.09
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscaping was found on the landside shoulder of the levee looking upstream.	
pkazi_f_20131001_650.JPG	



Levee Mile Report Line	91
Start Levee Mile	7.34
End Levee Mile	7.34
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
WS view: 8-inch pipe and pump on levee slope (right)	
UCIP_12141.jpg	



Levee Mile Report Line	92
Start Levee Mile	7.39
End Levee Mile	7.39
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Landscaping on the waterside of the levee. The picture was taken from the crown looking upstream.	
pkazi_f_20131001_687.jpg	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	93
Start Levee Mile	7.42
End Levee Mile	7.47
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscaping on landward slope blocking view from LM 7.42 to 7.47	
pkazi_f_20131001_651.jpg	



Levee Mile Report Line	93
Start Levee Mile	7.42
End Levee Mile	7.47
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Vegetation on the landside of the levee looking upstream. This picture was taken during spring 2012 inspection.	
pkazi_f_20131001_652.jpg	



Levee Mile Report Line	94
Start Levee Mile	7.50
End Levee Mile	7.50
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
View of a tree stump on the landward slope.	
pkazi_f_20131001_686.jpg	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	95
Start Levee Mile	7.54
End Levee Mile	7.54
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscaping was found on the landside shoulder of the levee looking upstream.	
pkazi_f_20131001_710.jpg	



Levee Mile Report Line	96
Start Levee Mile	7.58
End Levee Mile	7.58
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscaping was blocking the visibility on the landside of the levee looking downstream.	
pkazi_f_20131001_722.jpg	



Levee Mile Report Line	97
Start Levee Mile	7.60
End Levee Mile	7.60
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Prunings located on the toe of landward side of the levee. The picture was taken from the crown looking upstream.	
pkazi_f_20131001_723.jpg	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	97
Start Levee Mile	7.60
End Levee Mile	7.60
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Prunings were found on the landside of the levee looking upstream. This picture was taken during fall 2011 inspection.	
pkazi_f_20131001_724.jpg	



Levee Mile Report Line	97
Start Levee Mile	7.60
End Levee Mile	7.60
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Prunings were found on the landside of the levee looking upstream.	
pkazi_f_20131001_725.jpg	



Levee Mile Report Line	99
Start Levee Mile	7.82
End Levee Mile	7.82
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Equipment was found on the landside of the levee looking upstream.	
pkazi_f_20131001_639.jpg	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

N : Not Inspected/Rated
C : Corrected

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	100
Start Levee Mile	7.85
End Levee Mile	7.85
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Prunings were found on the landside toe of the levee looking upstream.	
<i>pkazi_f_20131029_027.JPG</i>	



Levee Mile Report Line	102
Start Levee Mile	8.05
End Levee Mile	8.05
Location	Water Side
Category	Earthen Levee
Item	Encroachments
An abandoned pipe was found on the waterside of the levee looking upstream.	
<i>pkazi_f_20131001_713.jpg</i>	



Levee Mile Report Line	104
Start Levee Mile	8.46
End Levee Mile	8.46
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Repair erosion on waterward slope near shoulder at LM 8.46.	
<i>pkazi_f_20131001_689.JPG</i>	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	105
Start Levee Mile	8.48
End Levee Mile	8.48
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Slope instability on the waterside slope of the levee. The picture was taken from the crown looking upstream.	
pkazi_f_20131001_690.jpg	



Levee Mile Report Line	105
Start Levee Mile	8.48
End Levee Mile	8.48
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Slope instability was found on the waterside shoulder of the levee looking upstream. This picture was taken during fall 2012 inspection.	
pkazi_f_20131001_691.jpg	



Levee Mile Report Line	106
Start Levee Mile	8.52
End Levee Mile	8.52
Location	Water Side
Category	Earthen Levee
Item	Animal Control
A rodent hole was found on the waterside of the levee looking upstream.	
pkazi_f_20131001_714.jpg	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

N : Not Inspected/Rated
C : Corrected

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	106
Start Levee Mile	8.52
End Levee Mile	8.52
Location	Water Side
Category	Earthen Levee
Item	Animal Control
Updated picture of the rodent hole on the waterside shoulder of the levee looking downstream during the fall 2013 inspection.	
pkazi_f_20131029_028.JPG	



Levee Mile Report Line	109
Start Levee Mile	8.62
End Levee Mile	8.62
Location	Land Side
Category	Earthen Levee
Item	Animal Control
A rodent hole was found on the landside slope of the levee. The picture was taken from the landside toe looking towards the crown during fall 2013 inspection.	
pkazi_f_20131029_029.JPG	



Levee Mile Report Line	110
Start Levee Mile	8.62
End Levee Mile	8.62
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
A tree stump was found on the landside of the levee looking upstream.	
pkazi_f_20131001_715.jpg	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	111
Start Levee Mile	8.65
End Levee Mile	8.65
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
A tree stump was found on the waterside of the levee looking upstream.	
pkazi_f_20131001_674.jpg	



Levee Mile Report Line	112
Start Levee Mile	8.87
End Levee Mile	8.87
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Broken concrete pipe was left on the waterside slope of the levee. The picture was taken from the crown looking upstream.	
pkazi_f_20131001_632.jpg	



Levee Mile Report Line	114
Start Levee Mile	9.38
End Levee Mile	9.38
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
A tree stump was found on the waterside of the levee looking upstream.	
pkazi_f_20131001_678.jpg	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/29/2013 10/29/2013	Pavel Kazi

Levee Mile Report Line	115
Start Levee Mile	9.51
End Levee Mile	9.51
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
Thin/trim trees to allow for visibility of top 20' of waterward slope at LM 9.51.	
pkazi_f_20131001_697.JPG	



Levee Mile Report Line	116
Start Levee Mile	9.56
End Levee Mile	9.56
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Equipment was found on the landside of the levee looking downstream.	
pkazi_f_20131001_729.jpg	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement